



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/585,196
Filing Date	07/03/2006
First Named Inventor	Mills
Group Art Unit	
Examiner Name	

Sheet	1	of	12	Attorney Docket Number	62226-AA
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ^w (if known)		
		1,001,589		Hatfield	08-23-1911
		2,708,656		Fermi	05-17-1955
		3,253,884		Jung, et al.	05-31-1966
		3,297,484		Niedrach	01-10-1967
		3,300,345		Lyons	01-24-1967
		3,359,422		Pollock	12-19-1967
		3,377,265		Caeser	04-09-1968
		3,448,035		Serfass	06-03-1969
		3,462,622		Cann et al.	08-19-1969
		3,669,745		Beccu	06-13-1972
		3,701,632		Lovelock	10-31-1972
		3,755,128		Herwig	08-28-1973
		3,816,192		Brower	06-11-1974
		3,835,019		Lovelock	09-10-1974
		3,917,520		Katz	11-04-1975
		4,000,036		Ensley	12-28-1976
		4,095,118		Rathbun	06-13-1978
		4,149,931		Christensen	04-17-1979
		4,155,712		Taschek	05-22-1979
		4,202,004		Anderson	05-06-1980
		4,265,720		Winstel	05-05-1981
		4,274,938		Schulten	06-23-1981
		4,327,071		Chiu	04-27-1982
		4,337,126		Gilligan, III et al.	06-29-1982

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/585,196
Filing Date	07/03/2006
First Named Inventor	Mills
Group Art Unit	
Examiner Name	

Sheet	2	of	42	Attorney Docket Number	62226-AA
-------	---	----	----	------------------------	----------

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	
		Number	Kind Code ^w (if known)			
		4,353,871		Bartilt, et al.	10-12-1982	
		4,464,990		Bendler	08-14-1984	
		4,487,670		Bellanger	12-11-1984	
		4,488,490		Betts	12-18-1984	
		4,512,966		Nelson	04-23-1985	
		4,568,568		Asano	02-04-1986	
		4,664,904		Wolfrum	05-12-1987	
		4,694,755		Ibarra	10-22-1987	
		4,702,894		Cornish	10-27-1987	
		4,737,249		Shepard Jr.	04-12-1988	
		4,774,065		Penzorn	09-27-1988	
		4,792,725		Levy et al.	12-20-1988	
		4,808,286		Angelo, II	02-28-1989	
		4,905,118		Rathbun	02-27-1990	
		4,923,770		Grasselli	05-08-1990	
		4,957,727		Bogdanovic	09-18-1990	
		4,968,395		Pavelle	11-06-1990	
		4,986,887		Gupta	01-22-1991	
		5,215,729		Buxbaum	06-01-1993	
		5,273,635		Gernert	12-28-1993	
		5,318,675		Patterson	06-07-1994	
		5,372,688		Patterson	12-13-1994	
		5,449,434		Hooke et al.	09-12-1995	
		5,577,090		Moses	11-19-1996	

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/585,196
Filing Date	07/03/2006
First Named Inventor	Mills
Group Art Unit	
Examiner Name	

Sheet 3 of 42 Attorney Docket Number 62226-AA

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	
		Number	Kind Code ^w (If known)			
		5,593,640		Long, et al.	01-14-1997	
		5,669,975		Ashtiani	09-23-1997	
		5,761,481		Kadoch et al.	06-02-1998	
		5,789,744		Spence, et al.	08-04-1998	
		5,801,971		Ohta	09-01-1998	
		5,819,073		Nakamura	10-06-1998	
		5,838,760		Moses	11-17-1998	
		5,864,322		Pollon et al.	01-26-1999	
		5,883,005		Minton et al.	03-16-1999	
		5,888,414		Collins et al.	03-30-1999	
		5,969,470		Druz et al.	10-19-1999	
		6,024,935		Mills, et al.	02-15-2000	
		6,064,154		Crouch et al.	05-16-2000	
		6,149,829		Takamatsu et al.	11-21-2000	
		6,150,755		Druz et al.	11-21-2000	
		6,151,532		Barone et al.	11-21-2000	
		6,444,137		Collins et al.	09-03-2002	
		6,551,939		Takamatsu et al.	04-22-2003	
		6,579,465		Takamatsu et al.	06-17-2003	
		6,690,705		Maksimov et al.	02-10-2004	
		7,188,033		Mills	03-06-2007	
		2001/0007725		Faris et al.	07-12-2001	
		2001/0008803		Takamatsu et al.	07-19-2001	
		2002/0133326		Chung et al.	09-19-2002	

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known			
				Application Number		10/585,196	
				Filing Date		07/03/2006	
				First Named Inventor		Mills	
				Group Art Unit			
Examiner Name							
Sheet	4	of	42	Attorney Docket Number	62226-AA		
Examiner Initials	Office	Foreign Patent Documents		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		Kind Code ^w	Number (if known)				
	WO	90/10935	A1	Pons	09-20-1990		
	WO	90/13126	A1	Mills	11-01-1990		
	WO	90/14668	A2	Cravens	11-29-1990		
	WO	91/01036	A1	Dufour	01-24-1991		
	WO	91/08573	A1	Bush	06-13-1991		
	WO	92/10838	A1	Mills	06-25-1992		
	WO	93/17437	A1	Bush	09-02-1993		
	WO	94/10688	A1	Dufour	05-11-1994		
	WO	94/14163	A1	McKubre	06-23-1994		
	WO	94/15342	A1	McKubre	07-07-1994		
	WO	94/29873	A2	Mills	12-22-1994		
	WO	95/20816	A1	Piantelli	08-03-1995		
	WO	96/42085	A2	Mills	12-27-1996		
	WO	99/05735	A1	Mills	03-04-1999		
	WO	99/26078	A1	Mills	5-27-1999		
	WO	99/34322	A1	Mills	7-8-1999		
	WO	99/35698	A3	Mills	07-15-1999		
	WO	00/07931	A1	Mills	02-17-2000		
	WO	00/07932	A2	Mills	2-17-2000		
	WO	00/25320	A1	Davies	05-04-2000		
	WO	01/095944	A2	Mills	12-20-2001		
	WO	01/18948	A1	Mills	3-15-2001		

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/585,196
Filing Date	07/03/2006
First Named Inventor	Mills
Group Art Unit	
Examiner Name	

Sheet	5	of	47	Attorney Docket Number	62226-AA
-------	---	----	----	------------------------	----------

Examiner Initials	Office	Foreign Patent Documents		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	
		Kind Code ^w	Number (if known)			
	WO	01/21300	A2	Mills	03-29-2001	
	WO	01/22472	A2	Mills	3-29-2001	
	WO	01/70627	A3	Mills	08-27-2001	
	WO	02/08787	A2	De Geus	01-31-2002	
	WO	02/087291	A2	Mills	10-31-2002	
	WO	02/088020	A2	Mills	11-7-2002	
	WO	02/16956	A1	Mills	2-28-2002	
	WO	03/093173	A2	Mills	11-13-2003	
	WO	03/066516	A2	Mills	8-14-2003	
	WO	04/092058	A2	Mills	10-28-2004	
	WO	05/041368	A2	Mills	10-6-2005	
	WO	05/067678	A2	Mills	7-28-2005	
	WO	2005/116630	A1	Mills	12-08-2005	
	WO	2007/051078	A1	Mills	05-03-2007	
	WO	2007/053486	A1	Mills	05-10-2007	
	EP	0 392 325	A3	Semiconductor Energy Lab	10-17-1990	
	EP	0 395 066	A2	Matsushita Electric Ind.	10-31-1990	
	JP	53-134792		Ind. Res. Inst. Of Japan	11-24-1978	
	JP	56-136644		Hitachi	03-28-1980	
	JP	2002008892A		Shimazu	01-2002	
	GB	2 343 291		Lloyd Wise, Tregear & Co.	05-13-2000	

Substitute for form 1449B/PTO

Complete if Known

Application Number	10/585,196
Filing Date	07/03/2006
First Named Inventor	Mills
Group Art Unit	
Examiner Name	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	16	of	42	Attorney Docket Number	62226-AA
-------	----	----	----	------------------------	----------

Examiners initials	Other Documents
--------------------	-----------------

	Abdallah, et. al. "The Behavior of Nitrogen Excited in an Inductively Coupled Argon Plasma." <i>J. Appl. Phys.</i> , Vol 88, No 1, July 2000, pp. 20-33.
	Abelès, Ed. Chapter 9, "Structure of Trapped Electron and Trapped Hole Centers in Alkali Halides 'Color Centers'." <i>Optical Properties of Solids</i> , 1972, pp. 718-754.
	Abramova, et. al. "Tornado-type closed magnetic trap for an electron cyclotron resonance ion source." <i>Review of Scientific Instruments</i> , Vol 71, No 2, February 2000, pp. 921-923.
	Albagli, et. al. "Measurement and Analysis of Neutron and Gamma-Ray Emission Rates, Other Fusion Products, and Power in Electrochemical Cells Having Pd Cathodes." <i>Journal of Fusion Energy</i> , Vol 9, No 2, June 1990, pp. 133-148.
	Alber, et. al. "Search for Neutrons from Cold Nuclear Fusion." <i>Z. Phys. A. - Atomic Nuclei</i> , Vol 333, 1989, pp. 319-320.
	Alessandrello, et. al. "Search for Cold Fusion Induced by Electrolysis in Palladium." <i>Il Nuovo Cimento</i> , Vol 103A, No 11, November 1990, pp. 1617-1638.
	Alger et al. "F Centers in Pure and Hydride-Containing Alkali Halide crystals." <i>Physical Review</i> , Vol 97, January 15, 1955, pp. 277-287.
	Arfken. "Mathematical Methods for Physicists." 2 nd Ed. Academic Press, New York 1970, pp.413-415.
	S. Aaronson, "Hydrino Theory: Which Overturns Quantum Theory, Is in Turn Overturned by Doofusino Theory," < http://www.scottaaronson.com/writings/doofusino.html >
	Associated Press. "Panel Opposes Cold Fusion Efforts." <i>The Washington Post</i> , July 13, 1989, p. A14.
	Associated Press. "Pennsylvania Company...Cold Fusion Mystery." Lexis Nexis Reprint, 1991.
	Associated Press. "Physicist: Utah Cold-Fusion Gear Doesn't Work." <i>The Washington Post</i> , March 29, 1990, p. A3.
	"Atomic Spectroscopy" (internet page) physics.nist.gov/Pubs/AtSpec/node20.html (author and date unknown)
	Baard, Erik. "The Empire Strikes Back." <i>The Village Voice</i> , April 26-May 2, 2000
	Baard, Erik. "Quantum Leap." <i>The Village Voice</i> , Dec 22-28, 1999.
	Baard, Erik. "Researcher Claims Power Tech That Defies Quantum Theory." <i>Dow Jones Newswires</i> , Oct 6, 1999.
	Baard, Erik, "Hydrino Theorist Gets Nod From NASA-Funded Investigation Eureka?", <i>The Village Voice</i> , Dec. 6, 2002

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				Complete if Known	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	7	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	Balke, et. al. "Limits on Neutron Emission From 'Cold Fusion' in Metal Hydrides.", <i>Physical Review C</i> , Vol 42, No 1, July 1990, pp. 30-37.				
	Barmann et. al. "Spatially and Temporally Resolved Studies of the Electron Density in Liquid Streamers by Emission Spectroscopy" (Internet page) atompc2.fysic.lth.se/AFDOCS/Progrep956/5al.htm (Atomic Physics Progress Report) (1995-1996)				
	Barth, "Bigger Than Fire?", Gale Group Magazine DB, The Gale Group, 2003, Skeptic, Vol. 8, No. 4, (2001)				
	Barton, et al, "Investigating Radio Frequency Plasmas Used for the modification of Polymer Surfaces." <i>J. Phys. Chem. B</i> , Vol 103, 1999, pp. 4423-4430.				
	R. W. Bass, "Email from Bob Bass to Randell Mills," August 6, 2000.				
	Bäuerle et al. "Infared Vibrational Absorption by U-Centers in NaI." <i>Phys. Stat. Sol.</i> , Vol 24, 1967, pp. 207-215.				
	Beiser, A. <i>Concepts of Modern Physics</i> , Fourth Edition, McGraw-Hill Book Company, New York, 1978, p. 407.				
	Benetskii, et. al. "An Attempt to Observe Cold Thermonuclear Fusion in a Condensed Medium." <i>Nuclear Research Institute</i> , AS USSR, May 1989, pp. 75-78.				
	Besenbacher, et. al. "Search for Cold Fusion in Plasma-Charged Pd-D and Ti-D Systems." <i>Journal of Fusion Energy</i> , Vol 9, No 3, September 1990, pp. 315-317.				
	Best, Ben. "The Copenhagen Interpretation of Quantum Mechanics." (internet page) www.benbest.com/science/quantum.html . (no date listed)				
	Bethe, et. al. "Quantum Mechanics of One and Two-Electron Atoms." <i>Cornell University</i> , Plenum Publishing Com., NY, 1977, pp. 2, 9-12, 47, 83-84, 92, 107.				
	"The Biggest Venture Capital Conference of the Year is Quickly Approaching," Special to Evening Bulletin 09/29/2006, < http://www.theeveningbulletin.com/site/news.cfm?newsid=17263371&BRD=2737&PAG=461&dept_id=57636&rfi=6 >				
	Bishop. "It ain't over til it's over ... Cold Fusion." <i>Popular Science</i> , Aug 1993, pp. 47-51.				
	Bishop. "More Labs Report Cold Fusion Results." <i>Wall Street Journal</i> , Oct 19, 1992.				
	Bjorken et al., ""Relativistische Quantenmechanik", <i>Die Dirac-Gleichung</i> , pp. 22-25, 1964				
	"Blacklight Power - do they have something significant?" (internet page) www.phact.org/e/blp.htm (author and date unknown)				
	BlackLight Power, "Executive Summary," January 11, 1999, pp. 1-6				

Substitute for form 1449B/PTO				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	8	of	42	Attorney Docket Number	62226-AA
Examiners initials		Other Documents			
		Blacklight Power, Inc., "Second Shareholder Newsletter '97" < http://web.archive.org/web/19980212141859/blacklightpower.com/sharenews2.html >			
		Blochinzew, <i>Grundlagen Der Quantenmechanik</i> , Veb Deutscher Verlag Der Wissenschaften, 1967			
		Blue. "Cold Fusion Lies 6." <i>Deja News on the Internet</i> , April 13, 1997, pp. 1-2, available at http://x7.dejanew/us.com .			
		Blue. "Randell Mills' Sells Pot Shards." <i>Deja News on the Internet</i> , April 30, 1997, pp. 1-2, available at http://x7.dejanew/us.com .			
		Bogaerts, et al. "Effects of adding hydrogen to an argon glow discharge: overview of relevant processes and some qualitative explanations." <i>Journal of Analytical Atomic Spectrometry</i> , March 2000.			
		Boniface, et. al. "Calorimetry for a Ni/K ₂ CO ₃ Cell." AECL Research, June 1994.			
		Bosch, et. al. "Electrochemical Cold Fusion Trials at IPP Garching." <i>Journal of Fusion Energy</i> , Vol 9, No 2, June 1990, pp. 165-186.			
		Boston Globe., "Successful nuclear fusion experiment by the Italians." Wednesday, April 19, 1989.			
		Braaten. "Ridiculously Easy Test Yields Claim of Energy Triumph." <i>The Washington Times</i> , March 24, 1989, p. A5.			
		Bradford. "A Calorimetric Investigation of the Reaction of Hydrogen with Sample PSU #1." A Confidential Report submitted to Hydrocatalysis Power Corporation, September 1994.			
		Briars. "Critique of New Energy, New Physics." 7 segments, <i>Deja News on the Internet</i> , March 9, 1989, pp. 1-9, available at http://x7.dejanew/us.com .			
		Brewer, Shelby T. Book review of "The grand Unified Theory of Classical Quantum Mechanics (Hardcover) by Randell L., Dr. Mills." (internet page) http://www.amazon.com/gp/product/product-description/0963517139/ref=dp_proddesc_0/103-5711659-8507030 (date unknown)			
		Broad. "2 Teams Put New Life in Cold Fusion Theory." <i>New York Times</i> , April 26, 1991, p. A18.			
		Broad. "Cold-Fusion Claim is Faulted on Ethics as Well as Science." <i>The New York Times</i> , March 17, 1991, pp. 1 and 30.			
		Brodowsky, "Solubility and diffusion of hydrogen and deuterium in Palladium and Palladium Alloys," Tech. Bulletin, England Indust., Vol. 7, No. 1-2 (1966), pp. 41-50.			
		Browne. "Fusion Claims is Greeted With Scorn by Physicists." <i>The New York Times</i> , May 3, 1989, pp. A1 and A22.			

<p>Substitute for form 1449B/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known			
				Application Number		10/585,196	
				Filing Date		07/03/2006	
				First Named Inventor		Mills	
				Group Art Unit			
				Examiner Name			
Sheet	9	of	42	Attorney Docket Number		62226-AA	
Examiners initials		Other Documents					
Browne. "Physicists Put Atom in 2 Places at Once." <i>The New York Times</i> .							
Bush. "A Light Water Excess Heat Reaction Suggests That 'Cold Fusion' May Be 'Alkali-Hydrogen Fusion'." <i>Fusion Technology</i> , Vol 22, Sept. 1992, pp. 301-322.							
Bush, et. al. "Helium Production During the Electrolysis...Experiments." <i>J. Electroanal Chem.</i> , Vol 304, 1991, pp. 271-278.							
Bush, et. al. "Helium Production During the Electrolysis...Experiments." <i>Preliminary Note, Univ. of Texas</i> , pp. 1-12.							
Bush, et. al. "Power in a Jar: the Debate Heats Up." <i>88 Bus. Week, Science & Technology</i> , Oct. 26, 1992.							
Carolina, et al. "Effect of Dielectric Constant, Cavities in Series and Cavities in Parallel on the Product Distribution of the Oligomerization of Methane via Microwave Plasmas." <i>J. Phys. Chem.</i> , Vol 100, 1996, pp. 17866-17872.							
Catlett, et. al. "Hydrogen transport in lithium hydride as a function of pressure." <i>The Journal of Chemical Physics</i> , Vol 58, No 8, April 1978, pp. 3432-3438 (April 1978).							
Chapline. "Cold Confusion." <i>UCRL-101583</i> , July 1989, pp. 1-9.							
Chemistry Course Listings in MIT OpenCourseWare. MIT 2005. http://ocw.mit.edu/Ocw/Web/Chemistry/index.htm							
"The Chemistry of Halogens," http://chemed.chem.purdue.edu/genchem/topicreview/bp/ch10/group7.html							
Chien, et. al. "On an Electrode...Tritium and Helium." <i>J. Electroanal Chem.</i> , 1992, pp. 189-212.							
CiteSeer, "Citations: Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," <i>Int. J. Hydrogen Energy</i> 26 (4) 2001, pg. 309-326 < http://citeseer.ist.psu.edu/comtext/1749692/449101 >							
Clark, et. al. "Excess Energy Cell Final Report." April 1995.							
Close. "Too Hot to Handle-The Race for Cold Fusion." <i>Princeton University Press</i> , 1989.							
Collins, "Selling the Free Lunch," <i>Scientific American</i> , (Nov, 2002)							
Condon, et. al. "The Theory of Atomic Spectra." MacMillan Company: New York. 1935. pp. 44-78, 112-146.							
Conrads, et. al. "Emission in the Deep Vacuum Ultraviolet from an Incandescently Driven Plasma in a Potassium Carbonate Cell", <i>Plasma Sources Science and Technology</i> , submitted.							
Conversion Table cgs/Si-Units. www.plasmaphysics.org.uk/convers.htm							

Substitute for form 1449B/PTO				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	10	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	Cooke. "ORNL/FTR-3341." July 31, 1989, pp. 2-15.				
	Cribier, et. al. "Conventional Sources of Fast Neutrons in Cold Fusion Experiments." <i>Physics Letters B</i> , Vol 228, No 1, September 7, 1989, pp. 163-166.				
	Cridle. "The Roles of Solution...Excess Heating." <i>Electrochemical Science & Technology Centre</i> , Univ. of Ottawa.				
	Cvetanovic et. al. "Excessive Balmer line broadening in a plane cathode abnormal glow discharge in hydrogen." <i>Journal of Applied Physics</i> 97. 18 January 2005.				
	Datz, et. al. "Molecular Association in Alkali Halide Vapors." <i>Journal of Chemical Physics</i> , Vol 34, No 5, Feb. 1961, pp.558-564.				
	Dagani. "Cold Fusion believer turns skeptic crusades for more rigorous research." <i>C&EN Washington</i> , June 5, 1995, pp. 34-45.				
	Dagani "Cold Fusion-Utah Pressures Pons, Fleischmann." <i>C&EN</i> , January 14, 1991, pp. 4-5.				
	Dagani. "Latest Cold Fusion Results Fail to Win Over Skeptics." <i>C&EN</i> , June 14, 1993, pp.38-40.				
	Dagani. "New Evidence Claimed for Nuclear Process in 'Cold Fusion'." <i>C&EN Washington</i> , April 1991, pp. 31-33.				
	Delbecq et al. "Pragmatic Resonance Investigation of Irradiated KCl Crystals Containing U-Centers." <i>Phys. Rev.</i> , Vol 104, Nov 1, 1956, pp. 599-604.				
	Dennis "Hidden Variables and Relativistic Tachyons" (internet page) www.objectivescience.com/articles/ed_tachy.htm (Date unknown)				
	Dery et. al. "Effect of Dielectric constant, Cavities in Series, and Cavities in Parallel on the Product Description of the Oligomerization of Methane via Microwave Plasmas." <i>Journal of Physical Chemistry</i> 1996, Vol. 100. July 8, 1996. pp. 17866-17872.				
	Directory: Blacklight Power, From PESWiki "A Top 100 Energy Technology," <http://peswiki.com/index.php/Directory:Blacklight_Power>				
	Dötsch et al. "Localized Vibrations of H ⁻ and D ⁻ Ions in NaF and LiF." <i>Solid States Communications</i> , Vol 3, 1965, pp. 297-298.				
	Dufour, et. al. "Interaction of Palladium/Hydrogen and Palladium/Deuterium to Measure the Excess Energy Per Atom for Each Isotope." <i>Fusion Technology</i> , Vol 31, March 1997, pp. 198-209.				
	Durr, et. al. "Origin of quantum-mechanical complementarity probed by a 'which-way' experiment in an atom interferometer." <i>Nature</i> , Vol 395, September 3, 1998, pp. 33-37.				
	"Earth Tech's Campaign to Replicate one of BlackLight Power Excess Heat Results." December 20, 1997 available at www.eden.com/~little/blp/prelim.html , pp. 1-41.				

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	11	of	12	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	EarthTech Reports, http://www.earthtech.org/experiments/blp/prelim.html				
	EarthTech Reports, http://www.earthtech.org/experiments/mills/mills1.html "Attempt to Observe Excess Heat in a Ni-H ₂ O-K ² CO ₃ Electrolysis System-9OCT97"				
	Evans, et. al. "Time-of-Flight Secondary Ion Mass Spectroscopy (TOF-SIMS) Surface Analysis Report." CE & A Number 40150, March 1994, available at http://www.cea.com/inst.htm#esca2 .				
	Evans Analytical Group, http://www.cca.com/tech.htm#esca1				
	Evans, et. al. "XPS/ESCA Results." CE & A Number 44545, Nov 1994.				
	EVANS Analytical Group. Product Descriptions: Time-of-Flight Secondary Mass Spectrometry (TOF-SIMS) and X-Ray Photoelectron Spectroscopy (XPS) Electron Spectroscopy for Chemical Analysis (ESCA). (no date or author listed)				
	Dr. Ess, "History and Philosophy of Science," www.drury.edu/ess/philsci/bell.html				
	E-mail to Examiner Wayner from Jeffrey A. Simenauer, dated _____				
	Ewing, et. al. "A sensitive multi-detector neutron counter used to monitor cold fusion experiments in an underground laboratory; negative results and positive artifacts." <i>IEE Transactions on Nuclear Science</i> , Vol 37, No 3, June 1990, pp. 1165-1170.				
	"Experimental Verification by Idaho National Engineering Laboratory." pp. 13-25.				
	Faller, et. al. "Investigation of Cold Fusion in Heavy Water." <i>J. Radioanal. Nucl. Chem. Letter</i> , Vol 137, No 1, August 21, 1989, pp. 9-16.				
	Fan et al., "X-ray photoelectron spectroscopy studies of CVD diamond films", <i>Surface and Interface Analysis</i> , 34:703-707, 2002				
	Feynman, et al. "The Feynman Lectures of Physics Vol. III: Quantum Mechanics." Addison-Wesley Publishing Co., 1965 pp. 1-9, 206, 19-1 through 19-18.				
	Fine, Arthur. "The Shaky Game: Einstein Realism and the Quantum Theory." 2 nd Ed. <i>The University of Chicago Press</i> , 1986, pp.64-85.				
	Fischer. "Die optische Absorption der U ₂ -Zentren in Alkalihalogenidkristallen", <i>Zeitschrift für Physik</i> , Vol 131, 1952, pp. 488-504.				
	Fischer et al. "Sh ⁻ , S ⁻ Und S ⁻ Zentren In KC1-Kristallen." <i>Physics Letters</i> , Vol 13, Oct. 27, 1964, pp. 113-114.				
	Fischer. "Die optische Absorption der U ₂ -Zentren in Alkalihalogeniden des BaCl-Typs," <i>Zeitschrift für Physik</i> , Vol 204, 1967, pp. 351-374.				
	Fitzpatrick, "The Linear Stark Effect," University of Texas Lecture, http://farside.ph.utexas.edu/teaching/qm/perturbation/node8.html				

Substitute for form 1449B/PTO

Complete if Known

Application Number 10/585,196

Filing Date 07/03/2006

First Named Inventor Mills

Group Art Unit

Examiner Name

Sheet 12 of 42

Attorney Docket Number 62226-AA

Examiners initials Other Documents

	J. Flemming, et. al. "Calorimetric Studies of Electrochemical Incorporation of Hydrogen Isotopes into Palladium," <i>J. of Fusion Energy</i> , Vol. 9, No. 4 (Dec. 1990), pp. 517-524.
	Fozza, et. al. "Vacuum ultraviolet to visible emission from hydrogen plasma: Effect of excitation frequency." <i>Journal of Applied Physics</i> , Vol 88, No 1, July 2000, pp. 20-33.
	Fried et al. "Solution for the Two-Electron Correlation Function in a Plasma." <i>The Physical Review</i> , Vol 122, Apr. 1, 1961, pp. 1-8.
	Fritz. "Anionlücken und Zwischengitterionen in Alkalihalogenid-Alkalihydrid-Mischkristallen." <i>J. Phys. Chem. Solids</i> , Vol 23, 1962, pp. 375-394.
	Fritz, "Infrared Absorption and Anharmonicity of the U-Centre Local Mode," <i>Phys. Stat. Sol.</i> , Vol. 11, (1965) pp. 231-239.
	M. Fowler, "The Lorentz Transformation," UVa Physics 252, < http://galileo.phys.virginia.edu/classes/252/lorentztrans.html >
	Fuchs and Peres. "Quantum Theory Needs No 'Interpretation'." <i>Physics Today</i> , March 2000, p. 70.
	Fujimoto, et. al. "Ratio of Balmer line intensities resulting from dissociative excitation of molecular hydrogen in an ionizing plasma." <i>J. Appl. Phys.</i> , Vol 66, No 6, Sept. 1989, pp. 2315-2319.
	Fusion Digest, "Cold Nuclear Fusion Bibliography," 1993.
	Fusion Digest, "Heat? Neutrons? Charged Particles?," 1993.
	Gernert, et. al. "Anomalous Heat From Atomic Hydrogen in Contact with Potassium Carbonate." Thermacore, Inc.
	Gottfried, "Quantum electrodynamics: Matter all in the mind", (internet page) www.nature.com/cgi-taf/DynaPage.t...e/journal/v419/n6903/full/419117a_r.html , 2002
	Gulyaev "Gigantic Atoms in Space" (internet page) www.astronomy.org.nz/events/month...reviews/2001/gigantic_atoms_in_space.htm (date unknown)
	Hadfield. "Lukewarm reception for Japanese cold fusion." <i>New Scientist</i> , October 31, 1992, pg. 10.
	Hajdas, et. al. "Search for Cold-Fusion Events." <i>Solid State Communications</i> , Vol 72, No 4, 1989, pp. 309-313.
	Hansen, et. al. "A response to hydrogen +oxygen recombination and related heat generation in undivided electrolysis cells." <i>J. of Electroanalytical Chemistry</i> , Vol 447, 1998, pp. 225-226. (Paper III)

Complete if Known

Application Number 10/585,196

Filing Date 07/03/2006

First Named Inventor Mills

Group Art Unit

Examiner Name

Sheet

13 of 42

Attorney Docket Number 62226-AA

Examiners initials

Other Documents

	Hansen, et. al. "Faradaic efficiencies less than 100% during electrolysis of water can account for excess heat in 'cold fusion' cells," <i>J. of Physical Chem.</i> , Vol. 99, No. 18 (1997) pp. 6973-6979 (Paper I).
	Hansen, et. al. "An assessment of claims to 'excess heat' in 'cold fusion' calorimetry," <i>Thermochimica Acta</i> , Vol. 297 (1998) pp. 7-15 (Paper II).
	Hardy, et. al. "The Volatility of Nitrates and Nitrites of the Alkali Metals." <i>Journal of the Chemical Society</i> , 1963, pp. 5130-5134.
	The Harvard Crimson News: Academics Question the Science Behind Blacklight Power, Inc." < http://www.the.crimson.com/printerfriendly.aspx?ref=100939 >
	Haus. "On the radiation from point charges." <i>American Journal of Physics</i> , Vol 54, No 12, December 1986. Pp. 1126-1129.
	Hayashi, Shigenobu. "Accurate determination of ¹ H Knight shifts in Mg ₂ NiH _x and MgH _x by means of high-speed magic angle spinning." <i>Journal of Alloys and Compounds</i> , Vol 248, 1997, pp. 66-69. (Paper A)
	Hayashi, et. al. " ¹ H NMR and magnetization measurements of a nanostructured composite material of the Mg ₂ Ni-H system synthesized by reactive mechanical grinding." <i>Journal of Alloys and Compounds</i> , Vol 256, 1997, pp. 159-165. (Paper B)
	Hayashi, et. al. "Local structures and hydrogen dynamics in amorphous and nanostructured Mg-Ni-H systems as studied by ¹ H and ² H nuclear magnetic resonance," <i>J. of Alloys and Compounds</i> , Vol. 261, (1997), pp. 145-149 (Paper C).
	He-II in Solar Spectrum
	Heisenberg, W. "Über den anschaulichen Inhalt der quantentheoretischen Kinematik und Mechanik." <i>Zeitschrift für Physik</i> , Vol 43, 1927, pp. 172-198.
	Heitler, W. "The Quantum Theory of Radiation." 3 rd Ed., <i>University of Zürich</i> , Dover Publications Inc., NY, 1984, pp. 104.
	Henderson, et. at. "More Searches for Cold Fusion." <i>Journal of Fusion Energy</i> , Vol. 9, No. 4, Dec. 1990, pp. 475-477.
	Hilsch. "Eine neue Lichtabsorption in Alkalihalogenidkristalle." <i>Fachgruppe II</i> , pp. 322-328.
	Hilsch. "Über die Diffusion und Reaktion von Wasserstoff in KBr-Kristallen." <i>Annalen der Physik</i> , Vol 40, 1937, pp. 407-720.
	Hilts. "Significant Errors Reported in Utah Fusion Experts." <i>The Washington Post</i> , May 2, 1989, pp. A1 and A7.
	Hines, "Scientific Mistakes: N-rays and Polywater", <i>Pseudoscience and the Paranormal</i> , Prometheus Books, 1988, pp. 8-13

Substitute for form 1449B/PTO				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	14	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	Hodoroaba, et. al."Investigations of the effect of hydrogen in an argon glow discharge." <i>J. of Analytical Atomic Spectrometry</i> , www.rsc.org/ej/ja/2000/B0023671/ (1 of 14), August 4, 2000.				
	Hollander, et. al. "Vacuum ultraviolet emission from microwave plasmas of hydrogen and its mixtures with helium and oxygen." <i>J. Vac. Sci. Technol.</i> , A12 (3), May/June 1994, pp.879-882.				
	Horanyi. "Some Basic Electrochemistry and the Cold Nuclear Fusion of Deuterium." <i>J. Radioanal. Nucl. Chem. Letters</i> , Vol 137, No 1, August 21, 1989, pp. 23-28.				
	http://omm.hut.fi/optics/I_o/2004/luennot/spectroscopy.pdf				
	http://hyperphysics.phy-ast.gsu.edu/hbase/kinetic/molke.htm				
	Huizenga. "Abstract from 'New developments in the cold fusion saga'." <i>Abstracts of papers of the American Chemical Society</i> , Vol 207, March 13, 1994, pg. 6.				
	Huizenga. "Cold Fusion." <i>C & EN</i> , Vol 70, July 20, 1992, pg. 3.				
	Huizenga. "Cold Fusion Labeled Fiasco of the Century." <i>Forum for Applied Research and Public Policy</i> , Vol 7, No 4, pp. 78-83.				
	Huizenga. "Cold Fusion-The Scientific Fiasco of the Century." <i>Oxford University Press</i> , 1993.				
	"Hydrino Theory," < http://en.wikipedia.org/wiki/hydriño_theory >				
	"The Hydrogen Atom," < http://www.physics.nmt.edu/~raymond/classes/ph13xbook/node208.html >				
	Hydrogen News 1999 < http://www.ch2bc.org/bulletin/bulletin19991112.htm >				
	INRS-Energie at Materiaux XPS facility, http://goliath.inrs-ener.quebec.ca/tour/				
	The Internet Encyclopedia of Philosophy, "Logical Positivism," http://iep.utm.edu/logpos.htm				
	Jackson, John David. "Classical Electrodynamics." 2 nd Ed., <i>University of California</i> , Berkley, John Wiley and Sons, 1975, Ch. 14.				
	Jacox, et. al. "INEL XPS Report." Idaho National Engineering Laboratory, EG &G Idaho, Inc., Nov 1993.				
	Jansson. "Hydrocatalysis:: A New Energy Paradigm for the 21 st Century." A Thesis, Master of Science in Engineering Degree in the Graduate Division of Rowan University, May 1997.				
	Jeffreys, et al. "Methods of Mathematical Physics." <i>Cambridge</i> , England, 1950, pp.618.				
	Johansson, et. al. "A Model for the origin of the anomalous and very bright UV lines of FE II in gaseous condensations of the star η Carinae" <i>Astronomy & Astrophysics</i> . Volume 378 (2001) pp.266-278.				

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>
Application Number				10/585,196
Filing Date				07/03/2006
First Named Inventor				Mills
Group Art Unit				
Examiner Name				
Sheet	15	of	12	Attorney Docket Number
Examiners initials	Other Documents			
	Jones. "Current Issues in Cold Fusion ... Particles." <i>Surface and Coatings Technology</i> , Vol 51, 1992, pp. 283-289.			
	Jones, et. al. "Examination of Claims of Miles ... Experiments." <i>J. Phys. Chem.</i> , 1995, pp. 6966-6972.			
	Jones, et. al. "Faradaic Efficiencies ... Cells." <i>J. Phys. Chem.</i> , 1995, pp. 6973-6979.			
	Jones, et. al. "Serious Flaws in Patterson (SOFE '95)Demo on Cold Fusion." available at http://x7.dejanews.com , October 1995.			
	Joyce, et. al. " Ion Distribution functions in an Ar-Cl ECR Discharge." <i>Plasma Sources Sci. Technol.</i> , Vol 9, 2000, pp. 429-436.			
	Judge, "SHE-2 Latest Solar EUV Measurements"(internet page) www.usc.edu/dept/space_science/seh2data.htm , August 18, 1997			
	Ivanco, et. al. "Calorimetry For a Ni/K ₂ CO ₃ Cell." <i>AECL Research</i> , June 1994.			
	Kahn. "Confusion in a Jar," <i>Nova</i> , 1991.			
	Karabut, et. al. "Nuclear Product...Deuterium." <i>Physics Letters A170</i> , 1992, pp. 265-272.			
	Karplus and Porter. <i>Atoms and Molecules: An Introduction for Students of Physical Chemistry</i> , The Benjamin/Cummings Publishing Company, Menlo Park, California, 1970, p. 3, 118-123.			
	Karplus and Porter. <i>Atoms and Molecules: An Introduction for Students of Physical Chemistry</i> , The Benjamin/Cummings Publishing Company, Menlo Park, California, 1970, p. 567.			
	Kawai, et. al. "Electron temperature, density, and metastable-atom density of argon electron-cyclotron-resonance plasma discharged by 7.0, 8.0, and 9.4 Ghz microwaves." <i>J. Vac. Sci. Technol. A</i> , Vol 18, No 5, Sep/Oct 2000, pp. 2207-2212.			
	Keefer, Ph.D., "Interim Report on BlackLight Power Technology: Its Apparent Scientific Basis, State of Development and Suitability for Commercialization by Liebert Corporation."			
	Kerkhoff. "Zum photochemischen Verhalten sauerstoffhaltiger Komplexe in Alkalihalogenidkristalle." <i>Zeitschrift für Physik</i> , Vol 158, 1960, pp.595-606.			
	Kerkhoff et al. "Elektronenspin-Resonanz und Photochemie des U ₂ -Zentrums in Alkalihalogenid-Kristallen." <i>Zeitschrift für Physik</i> , Vol 173, 1963, pp.184-202.			
	Klein. "Attachments to Report of Cold Fusion Testing." <i>Cold Fusion</i> , No 9, pp. 16-19.			
	Kleinschrod. "Photochemische Zersetzung von KH und KD in KBr-Kristallen." <i>Ausgegeben</i> , Jan. 5, 1939, pp. 143-148.			
	Kleppner, et. al. "One Hundred Years of Quantum Physics." <i>SCIENCE</i> , Vol 289, Aug 2000, pp. 893-898.			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	1b	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	Kline-Anderson, Inc. "Review of Schedule and Resource Requirements to Develop a Hydrocatalysis Functional Prototype Unit." Final Report for Technology Insights, Oct 1996.				
	Kolos, et. al. "Accurate Adiabatic Treatment of the Ground State of the Hydrogen Molecule*." <i>Journal of Chemical Physics</i> , Vol 41, No 12, Dec 1964, pp. 3663-3673 (Paper I).				
	Kolos, et. al. "Accurate Electronic Wave Functions for the H ₂ Molecule*." <i>Reviews of Modern Physics</i> , Vol 32, No 2, April 1960, pp. 219-232.				
	Kolos, et. al. "Improved Theoretical Ground-State Energy of the Hydrogen Molecule*." <i>Journal of Chemical Physics</i> , Vol 49, No 1, July 1968, pp. 404-410 (Paper II).				
	Kovacevic et. al. "The Dynamic Response of the Plasma on the Dust Formation in Ar/C ₂ H ₂ RF Discharges." <i>International Conference on Phenomena in Ionized Gases</i> available at http://www.iopig.uni-greifswald.de/proceedings/data/kovacevic_1 . (no date listed)				
	Kreig "Hydrinos: A state below the ground state" (internet page) www.phact.org/e/x/hydrino.htm and http://www.freeenergies.org/bl/bwt/z/hydrino/hydrino.htm (date unknown)				
	Kreysa, et. al. "A Critical Analysis of Electrochemical Nuclear Fusion Experiments." <i>J. Electroanal. Chem.</i> , Vol 266, 1989, pp. 437-450.				
	Kuhn, H.G. "Atomic Spectra." Academic Press: New York. 1962. pp. 114-117.				
	Kuraica, et. al. "Line Shapes of Atomic Hydrogen in a Plane-Cathode abnormal glow discharge." <i>Physical Review A</i> , Bol. 46. No 7, October 1992, pp. 4429-4432.				
	Kurunczi, et. al. "Excimer formation in high-pressure micro hollow cathode discharge plasmas in helium initiated by low-energy electron collisions." <i>International Journal of Mass Spectrometry</i> , Vol 205, 2001, pp. 277-283.				
	Kurunczi, et. al. "Hydrogen Lyman- α and Lyman- β emissions from high-pressure micro hollow cathode discharges in Ne-H ₂ mixtures" <i>J. Phys. B: At. Mol. Opt. Phys.</i> , Vol 32, 1999, pp. L651-L658.				
	Kurtz, et. al. "Report on Calometric Investigations of Gas-Phase Catalyzed Hydrino Formation." Hydrocatalysis Power Corp. Report, December 1996.				
	http://omm.hut.fi/optics/I_o/2004/luennot/spectroscopy.pdf				
	http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.html				
	Labov. "Spectral Observations...Background." <i>The Astrophysical Journal</i> , Vol 371, April 20, 1991, pp. 810-819.				
	F. Laloe, "Do we really understand quantum mechanics?" <i>Am. J. Phys.</i> , vol. 69(6), (June 2001), pp. 655-701.				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>
Application Number				10/585,196
Filing Date				07/03/2006
First Named Inventor				Mills
Group Art Unit				
Examiner Name				
Sheet	17	of	42	Attorney Docket Number
Examiners initials		Other Documents		
<p>Leggett, et. al. "Exact Upper Bound... 'Cold Fusion'." <i>Physical Review Letters</i>, Vol 63, No 2, July 1989, pp. 190-194.</p>				
<p>"Lehigh X-Ray Photoelectron Spectroscopy Report." December 8, 1993.</p>				
<p>Lewis, et. al., "Searches for Low-Temperature Nuclear Fusion of Deuterium in Palladium." <i>Nature</i>, Vol 340, August 17, 1989, pp. 525-530.</p>				
<p>Luggenholscher et al., "Investigations on Electric Field Distributions in a Microwave Discharge in Hyrdogen", available at http://www.phys.tue.nl/fltd/luggenhoelscher.pdf (date unknown)</p>				
<p>Lüpke. "Über Sensibilisierung der photochemischen Wirkung in Alkalihalogenidkristallen." <i>Annalen der Physik</i>, Vol 21, 1934, pp. 1-14.</p>				
<p>Luque et. al. "Experimental research into the influence of ion dynamics when measuring the electron density from the Stark broadening of the Hα and Hβ lines." <i>Journal of Physics B: Atomic, Molecular, and Optical Physics</i>, Vol. 36. 2003. pp.1573-1584.</p>				
<p>Lüty. "Über Die Natur Der V₃-Zentren In Strahlungsverfärbtem KCl." <i>J. Phys. Chem. Solids</i>, Vol 23, 1962, pp. 677-681.</p>				
<p>Maly, et. al. "Electron Transitions on Deep Dirac Levels I." <i>ANS Reprint, Fusion Technology</i>, Vol 24, Nov. 1993, pp. 307-318.</p>				
<p>Marchese et. al. "The BlackLight Rocket Engine." Phase I Final Report, Rowan University: Glassboror, NJ. May1-November 30, 2002, available at www.niac.usra.edu/files/studies/finalreport. also available at http://engineering.rowan.edu/~marchese/.</p>				
<p>Margenau, et. al. "The Mathematics of Physics and Chemistry." D. Van Nostrand Yale University, 1943, pp. 77-79.</p>				
<p>Martienssen. "Photochemische Vorgänge in Alkalihalogenidkristallen." <i>Zeitschrift für Physik</i>, Vol 131, 1952, pp. 488-504.</p>				
<p>"Material Hardness," http://www.calce.umd.edu/general/facilities/hardness_ad.htm</p>				
<p>Mayo, et. al. "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Micro distributed Power Applications", <i>IEEE Transactions on Plasma Science</i>, submitted.</p>				
<p>McNally. "On the Possibility of a Nuclear Mass-Energy Resonance in D + D Reactions at Low Energy." <i>Fusion Technology</i>, Vol 16, No 2, September 1989, pp. 237-239.</p>				
<p>McQuarrie. "Quantum Chemistry" University Science Books: Sausalito, CA. 1983 Sections 4-3, 6-4 - 6-9, 8-5 - 8-6 and pp. 221-222.</p>				
<p>Merriaman, et. al., "An attempted replication of the CETI Cold Fusion Experiment." published on the Internet, May 1, 1997, available at www.math.ucla.edu/~barry/CF/CETIX.html, pp. 1-17.</p>				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	18	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	Merzbacher, Eugen. "Quantum Mechanics." 1961, p. 198.				
	Messiah, Albert. "Quantum Mechanics." <i>Rutgers-The State University</i> , Vol 1, 1958, p. 130.				
	Meulenbroeks, et. al. "The argon-hydrogen expanding plasma: model and experiments." <i>Plasma Sources Sci Technol.</i> , Vol 4, 1995, pp. 74-85.				
	Meulenbroeks, et. al. "Influence of molecular processes on the hydrogen atomic system in an expanding argon-hydrogen plasma." <i>Phys. Plasmas</i> , Vol 2, No 3, March 1995, pp. 1002-1008.				
	Miles et. al. "Correlation of Excess...Palladium Cathodes." <i>J. Electronl. Chem.</i> , 1993, pp. 99-117.				
	Miles et. al. "Electrochemical...Palladium Deuterium System." <i>J. Electroanal Chem.</i> , 1990, pp. 241-254.				
	Miles et. al. "Heat and Helium...Experiments." <i>Conference Proceedings</i> , Vol 33, 1991, pp. 363-372.				
	Miles, et. al. "Search for Anomalous Effects... Palladium Cathodes." <i>Naval Air Warfare Center Weapons Division, Proceedings of 3rd Int. Conf. on Cold Fusion</i> , Nagoya, Japan, Oct. 1992, pp. 21-25.				
	Miller. "Memo from Bennett Miller to Dr. Robert W. Bass." October 9, 1997, pp. 1-10.				
	Miskelly, et. al. "Analysis of the Published Calorimetric Evidence for Electrochemical Fusion of Deuterium in Palladium." <i>Science</i> , Vol 246, No 4931, November 10, 1989, pp. 793-96.				
	Monroe, et. al. "A Schrodinger Cat Superposition State of an Atom." <i>Science</i> , Vol 272, May 24, 1996, pp. 1131-1101.				
	Morrison. "Cold Fusion Update No. 12, ICCPG." Jan 17, 1997, available online at " www.skypoint.com ".				
	Morrison. "Comments on claims of excess enthalpy by Fleischmann and Pons using simple cells made to boil." <i>Physics Letter A</i> , Vol 185, February 28, 1994, pp. 498-502.				
	Morrison. "Review of Progress in Cold Fusion." <i>Transactions of Fusion Technology</i> , Vol 26, Dec 1994, pp. 48-55.				
	Morrison, "Review of Cold Fusion," Sov. Phys. Usp. 34, December 1991, pp. 1055-1060.				
	Morrison, "Cold Fusion Update No. 10," dated April 1, 1995, available at http://www.skypoint.com/members/slogajan/files/morrison.txt , pp. 1-8.				
	Morse, et. al. "Methods of Theoretical Physics," Part I, McGraw-Hill Book Co., <i>Massachusetts Institute of Technology</i> , Part 1: Chapters 1-8, 1953, pp. 808-903.				
	Myers, et. al. "Search for Cold Fusion at D/Pd > 1 Using Ion Implantation." <i>Journal of Fusion Energy</i> , Vol 9, No 3, pp. 30-37, 1990.				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	19	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	<p>Nakhmanson. "The Ghostly Solution of the Quantum Paradoxes and its Experimental Verification." <i>Frontiers of Fundamental Physics</i>. Plenum Press: New York. 1994. pp. 591-596, http://arxiv.org/ftp/physics/papers/0103/0103006.pdf</p>				
	<p>Neynaber, et. al. "Formation of HeH⁺ from Low-Energy Collisions of Metastable Helium and Molecular Hydrogen." <i>Journal of Chemical Physics</i>, Vol 57, No 12, Dec. 16, 1972, pp. 5128-5137.</p>				
	<p>Niedra. "Replication of the Apparent Excess Heat Effect in Light Water ... Cell." <i>NASA Technical Memorandum 107167</i>, Feb. 1996.</p>				
	<p>Nieminen. "Hydrogen atoms band together." <i>Nature</i>, Vol 356, 26 March 1992, pp. 289-291.</p>				
	<p>NIST, "Atomic Spectroscopy – Spectral Line Shapes, etc.," available at: http://physics.nist.gov/Pubs/At Spec/node20html/</p>				
	<p>NIST's Physical Reference Datasheet, "Energy Levels of Hydrogen and Deuterium," <URL http://physics.nist.gov/PhysRefData/HDEL/index.html></p>				
	<p>Noninski. "Excess Heat During the Electrolysis of a Light Water...Nickel Cathode." <i>Fusion Technology</i>, Vol 21, March 1992, pp. 163-167.</p>				
	<p>Noninski, et. al. "Determination...Heavy Water." <i>Fusion Technology</i>, Vol 19, 1990, pp. 365-367.</p>				
	<p>Notoya. "Cold Fusion ... Nickel Electrode." <i>Fusion Technology</i>, Vol 24, 1993, pp. 202-204.</p>				
	<p>Notoya. "Tritium Generation ... Nickel Electrodes." <i>Fusion Technology</i>, Vol 26, 1994, pp. 179-183.</p>				
	<p>Notoya, et. al. "Excess Heat Production in Electrolysis ... Electrodes." <i>Proceedings of the Int. Conf. on Cold Fusion</i>, Oct. 21-25, 1992, Tokyo, Japan.</p>				
	<p>Odenthal et al., "The Zeeman Splitting of the 5876 Å Helium Line Studied by Means of a Turnable Dye Laser", <i>Physica</i>, pp. 203-216, 1982</p>				
	<p>Ohashi, et. al. "Decoding of Thermal Data in Fleischmann & Pons Paper." <i>J. of Nucl. Sci. & Tech.</i>, Vol 26, No 7, July 1989, pp. 729-732.</p>				
	<p>Ohmori, et. al. "Excess Heat Evolution ... Tin Cathodes." <i>Fusion Technology</i>, Vol 24, 1993, pp. 293-295.</p>				
	<p>Oka, et. al. "D₂O-fueled fusion power reactor using electromagnetically induced D-D_n, D-D_p, and Deuterium-tritium reactions-preliminary design of a reactor system." <i>Fusion Technology</i>, Vol 16, No 2, September 1989, pp. 263-267.</p>				
	<p>Park, Robert L. "Perpetual Motion: Still Going Around." <i>Washington Post</i>, January 12, 2000, pg H03.</p>				
	<p>Park, "Patent Nonsense, Court Denies BlackLight Power Appeal," <i>What's New</i>, September 6, 2002, available at www.aps.org.wn/wn02/wn090602.html.</p>				

Substitute for form 1449B/PTO				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	20	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	Park, What's New, Friday 03/17/2006				
	Park, What's New, Friday 01/13/2006				
	Park, What's New, Friday 04/26/1991				
	Pauling, et. al. "Introduction to Quantum Mechanics with Applications to Chemistry." Dover Publications, Inc., <i>Harvard University</i> , 1985, pp. 121-140.				
	Peterson. "Evaluation of Heat Production from Light Water Electrolysis Cell of Hydrocatalysis Power Corporation." Draft, <i>Westinghouse STC</i> , Feb 1994.				
	Phillips, et. al. "Additional Calorimetric Examples of Anomalous Heat From Physical Mixture of K/Carbon and PD/Carbon." Consulting Report, Jan 1996.				
	Plasmaphysics.org. Conversion Table: cgs/SI- units. (internet page) www.plasmaphysics.org.uk/convers.htm . (no author or date listed)				
	Platt, Charles. "Testing the Current." <i>Washington Post</i> . June 25, 2000, pg X05.				
	Physics 200-04 course, "Pauli Spin Matrices," http://axion.physics.ubc.ca/200-04/pauli-spin.pdf				
	Physics Web 08/05/2005, "Hydrogen results causes controversy"				
	Popov. "Electrochemical Characterization of BlackLight Power, Inc. MH as Electrodes for Li-ion Batteries." Department of Chemical Engineering University of South Carolina, Feb 2000.				
	Powell et al. <i>Quantum Mechanics</i> , Addison-Wesley Publishing Co., Inc., pp. 205-229 and 478-482, 1961				
	Price, et. al. "Search for Energetic-Charged Particle Emission from Deuterated Ti and Pd Foils." <i>Physical Review Letters</i> , Vol 63, No 18, Oct 30, 1989, pp. 1926-1929.				
	Quantum Physics 301, "Paradoxes and Interpretation," http://www.teach.phy.bris.ac.uk/level3/phys30100/coursematerials/paradoxes.pdf				
	Radavanov, et. al. "Ion Kinetic-Energy Distributions and Balmer- α Excitation in Ar-H ² Radio-Frequency Discharges." <i>J. Appl. Phys.</i> , Vol 78, No 2, July 15, 1995, pp. 746-756.				
	Rathke "A Critical Analysis of the Hydrino Model", <i>New Journal of Physics</i> , May 19, 2005, http://www.iop.org/ej/article/1367-2630/7/1/127/njp5_1_127.html				
	Rauch et .al. "Some F-Band Optical Oscillator Strengths in Additively Colored Alkali Halides." <i>Physical Review</i> , Feb 1, 1957, Vol 105, pp. 914-920.				
	Rees. "Cold Fusion...What Do We Think?" <i>Journal of Fusion Energy</i> , Vol 10, No 1, 1991, pp. 110-116.				
	Real Climate, 20 January 2005, "Peer Review: A Necessary But Not Sufficient Condition," http://www.realclimate.org/index.php?p=109				

Complete if Known

Application Number 10/585,196

Filing Date 07/03/2006

First Named Inventor Mills

Group Art Unit

Examiner Name

Sheet 21 of 42

Attorney Docket Number 62226-AA

Examiners initials

Other Documents

Roberts, et. al. "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge." *J. App. Phys.*, vol. 74, No 11, (Dec. 1993).

Rogers, et. al., "Cold Fusion Reaction Products and Their Measurement." *Journal of Fusion Technology*, Vol 9, No 4, 1990, pp. 483-485.

Rogers. "Isotopic hydrogen fusion in metals." *Fusion Technology*, Vol 16, No 2, September 1989, pp. 2254-259.

Rosenblum. "Celebrating Y2K Could Prevent Panic, Ease Transition." *Re: (ise-l) Institute for Social Ecology Newsletter*, Dec. 22, 1998.

Rosenblum. "Four Interviews With Dr. Randell Mills on New Energy, New Physics." *Re: (ise-l) Institute for Social Ecology Newsletter*, Feb 2, 1998.

K. L. Ross, "Kantian Quantum Mechanics," <http://www.friesian.com/space-2.htm>

Rothwell. "Italy-Cold Fusion & Judge's Verdict." *NEN*, Vol 4, No 1, March 26, 1996, available at www.padrak.com/ine/CFLIBEL.html, pp. 9-11.

Rousseau. "Case Studies in Pathological Science." *American Scientist*, Vol 80, 1992, pp. 54-63.

Rout, et. al. "Phenomenon of Low Energy Emissions from Hydrogen/Deuterium Loaded Palladium." *3rd Annual Conference on Cold Fusion*, Oct. 21-25, 1992.

Rudd, et. al. "Backward Peak in the Electron Spectrum from Collisions of 70-keV Protons with a Target from a Hydrogen-Atom Source." *Physical Review Letters*, Vol 68, No 10, March 1992, pp. 1504-1506.

Salamon, et. al. "Limits ... Electrolytic Cells." *Nature*, Vol 344, March 29, 1990, pp. 401-405.

Schaefer. "Das Ultrarote Spektrum Des U-Zentrums," *Phys. Chem. Solids*, 1960, Vol. 12, pp. 233-244, Pergamon Press, Great Britain.

Schearer et al. "Microwave Saturation of Paraelectri-Resonance Transitions of OH⁻ Ions in KCl." *Solid State Communications*, Vol 4, 1966, pp. 639-642.

Schiff, Leonard I. "Quantum Mechanics." *Stanford University*, 1968, pp. 1, 7-8, 10-12, 21, 54-57, 60-61, 81-82, 101, 527.

Schrieder, et. al. "Search for Cold Nuclear Fusion in Palladium-Deuterium." *Z. Phys. B-Condensed Matter*, Vol 76, No 2, 1989, pp. 141-142.

Service. "Cold Fusion: Still Going." *Newsweek Focus*, July 19, 1993.

Shani, et. al. "Evidence for a Background Neutron Enhanced Fusion in Deuterium Absorbed Palladium." *Solid State Communications*, Vol 72, No 1, 1989, pp. 53-57.

Shaubach, et. al. "Anomalous Heat...Carbonate." *Thermacore, Inc.*, pp. 1-10.

Substitute for form 1449B/PTO				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	22	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	Shelton, et. al. "An assessment of claims of 'excess heat' in 'cold fusion' calorimetry." <i>Elsevier Science B.V., Thermochimica Acta</i> 297, 1997, pp. 7-15.				
	Shermer, "Baloney Detection", <i>Scientific American</i> , November 2001				
	Shkedi, et. al. "Calorimetry, Excess Heat, and Faraday Efficiency in Ni-H ₂ O Electrolytic Cells." <i>Fusion Technology</i> , Vol 28, November 1995, pp. 1720-1731.				
	Shook. "A Pragmatically Realistic Philosophy of Science." <i>Pragmatic Naturalism and Realism</i> . Prometheus Books: Amherst, NY. 2003, http://www.pragmatism.org/shook/pragmatic_and_realistic.htm .				
	Silvera, et. al. "Deuterated palladium at temperatures from 4.3 to 400K and pressures to 105 kbar; Search for cold fusion." <i>The American Physical Society, Physical Review B</i> , Vol 42, No 14, November 15, 1990, pp 9143-9146.				
	Souw, Bernard, "Coherent Telescope array with self-homodyne interferometric detection for optical communications," <i>Opt. Eng.</i> 42(11) 3139-3157 (Nov. 2003).				
	Souw et al., "Calculation of the Combined Zeeman and translational Stark Effect on the Ha-Multiplet", <i>Physica</i> , pp. 353-374, 1983.				
	E-K Souw, Ph.D. Thesis 1981, University of Dusseldorf, Germany, titled "Investigations of Transport Phenomena in the Wall Region of a Helium Plasma by Means of Spectroscopic Methods."				
	E.K. Souw, "Plasma Density Measurements in an Imperfect Microwave Cavity," <i>J. Appl. Phys.</i> 61 (1987) p. 1761-1772.				
	E-K Souw et al., "The Zeeman Splitting of the 5876 A He Line Studied by means of a Tunable Dye Laser," <i>Physica</i> 113c (1982) pp. 203-216.				
	E-K Souw, "Anomalous Broadening and Splitting of Hel and ArI lines in microwave plasmas," unpublished data, 12/01/2003.				
	Srianand, et. al. "The cosmic microwave background radiation temperature at a redshift of 2.34." <i>NATURE</i> , Vol 408, Dec 2000, pp. 931-935.				
	Srinivasan, et. al. "Tritium and Excess Heat Generation during Electrolysis of Aqueous Solutions of Alkali Salts with Nickel Cathode." <i>3^d Annual Conference on Cold Fusion</i> , Oct. 21-25, 1992.				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>
Application Number				10/585,196
Filing Date				07/03/2006
First Named Inventor				Mills
Group Art Unit				
Examiner Name				
Sheet	23	of	42	Attorney Docket Number
Examiners initials		Other Documents		
<p>Stein. "Theory May Explain Cold Fusion Puzzle." <i>Lexis Reprint, Washington News</i>, April 25, 1991.</p>				
<p>"Stellar Spectra and the Secrets of Starlight" (Internet Pages) www.kingusa.ab.ca/~brian/asto/course/lectures/fall/a200110g.htm (date and author unknown)</p>				
<p>Stripp. "Georgia Group Outlines Errors That Led to Withdrawal of Cold Fusion Claims." <i>The Wall Street Journal</i>, April 26, 1989, p. B4.</p>				
<p>Storms, et. al. "Electrolytic Tritium Production." <i>Fusion Technology</i>, Vol 17, July 1990, pp. 680-695.</p>				
<p>Suplee. "Two New Theories on Cold Fusion...Scientists." <i>The Washington Post 1st Section</i>, 1991, p. A11.</p>				
<p>Taubes. "Bad Science." <i>Random House</i>, 1993, pp. 303, 425-481.</p>				
<p>Taubes. "Cold Fusion Conundrum at Texas A & M." <i>Science</i>, Vol 248, News & Comment, June 15, 1990, pp. 1299-1304.</p>				
<p>Taylor, et. al. "Search for neutrons from Deuterated palladium subject to high electrical currents." <i>Fourth International Conference on Cold Fusion</i>, Maui Hawaii, L.A-UR 94-970, May 4, 1994, pp. 1-11.</p>				
<p>Technology Insights. "Draft: Hydrocatalysis Technical Assessment." PACIFICORP, Aug. 2, 1996.</p>				
<p>Tegmark, et. al. "100 Years of Quantum Mysteries." <i>Scientific American</i>, Feb 2001, pp. 68-75.</p>				
<p>Thermacore, Inc. "SBIR Phase I Nascent Hydrogen: An Energy Source." Final Report, March 1994.</p>				
<p>Thomas. "Zur Photocjemie des KH-KBR-Mischjristalles." <i>Annalen der Physik</i>, Vol 38, 1940, pp. 601-608.</p>				
<p>Thorne, et. al. "Recombination during the Electrolysis of Light Water in 0.6 M K₂CO₃ Can It Account for the Reports of Excess Heat?" <i>Departments of Physics and Chemistry, Brigham Young University</i>, June 1993.</p>				
<p>Time 2 wake up: "New Power SOURCE that turns physics on its head," 11/09/2005.</p>				
<p>Tolman, Richard C. "The Principles of Statistical Mechanics." <i>California Institute of Technology</i>, 1979, pp. 180-188.</p>				
<p>Turner. "Declaration of Dr. Gary L. Turner." 24 August 2004.</p>				
<p>U.S. Department of Commerce, Summary of Ethics Rules, USPTO, 2000; October 15, 2004</p>				

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>
Application Number				10/585,196
Filing Date				07/03/2006
First Named Inventor				Mills
Group Art Unit				
Examiner Name				
Sheet	24	of	42	Attorney Docket Number
Examiners initials		Other Documents		
		<p>Vaselli et. al. "Screening Effect of Impurities in Metals: A possible Explanation of the Process of Cold Nuclear Fusion." 11 Nuovo Cimento Della Societa Italiana di Fisica, Vol. 11D, No. 6, June 1989, Bologna, Italy, pp. 927-932.</p>		
		<p>Videnovic, et al. "Spectroscopic investigations of a cathode fall region of the Grimm-type glow discharge." Spectrochimica Acta Part B, Vol 51, 1996, pp. 1707-1731.</p>		
		<p>Vigier. "New Hydrogen Energies in Specially Structured Dense Media : Capillary Chemistry and Capillary Fusion." Proceedings of the Third Annual Conf. on Cold Fusion, Nagoya, Japan, October 21-25, 1992, H. Ikegami, Ed. Universal Academy Press., pp. 325-334.</p>		
		<p>Vigier. "New Hydrogen (Deuterium) Bohr Orbits." Proc. ICCF4, Vol 4, 1994, p. 7-10.</p>		
		<p>Welcome to MIT's OpenCourseWare Home Page. MIT 2005. http://ocw.mit.edu/index.html</p>		
		<p>Weisskopf, V.F. "Recent developments in the theory of the electron." Reviews of Modern Physics, Vol 21, No 2, 1949, pp. 305-315.</p>		
		<p>Wheeler, et. al. "Quantum Theory and Measurement." English Translation of Heisenburg's Uncertainty Principle Paper, Zeitschrift für Physik, 1927, Vol 43, pp. 172-198.</p>		
		<p>Wikipedia, Chapter 9: "Peer Review and Fraud," <http://en.wikipedia.org/wiki/peer_review#peer_review_and_fraud></p>		
		<p>Williams. "Upper Bounds on Cold Fusion in Electrolytic Cells." Nature, Vol 342, 23 November 1989, pp. 375-384.</p>		
		<p>Wilson, et. al. "Analysis of experiments on the calorimetry of LiOD-D₂O electrochemical cells." Elsevier Sequoia S.A., Journal of Electroanalytical Chemistry, Vol 332, Nos. 1 and 2, August 14, 1992, pp. 1-31.</p>		
		<p>"XPS (EASC) –SAM," http://www.noveonic.com/measurementscience/analyticalservices/xpsescasam.pdf</p>		
		<p>Yamaguchi et. al. "Direct Evidence...Palladium." NTT Basic Research Laboratories, 1992 pp. 1-10.</p>		
		<p>Ziegler, et. al. "Electrochemical Experiments in Cold Nuclear-Fusion." Physical Review Letters, Vol 62, No 25, June 19, 1989, pp. 2929-2932.</p>		
		<p>Peter D. Zimmerman, "An Analysis of Theoretical Flaws in So-Called Classical Quantum Mechanics and of Experimental Evidence Against CQM" (2001)</p>		
		<p>Zweig, "Quark Catalysis of Exothermal Nuclear Reactions", Science, Vol. 201, (1978), pp. 973-979.</p>		

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	25	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	CRITCHLEY et al, "Energy shifts and forbidden transitions in H ₂ due to electronic g/u symmetry breaking", Molecular Physics, 2003, Vol. 101, Nos. 4-5, pp. 651-661, Taylor & Francis Ltd.				
	GAMBUS et al., "Spectroscopic Study or Low-Pressure Water Plasmas and Their Reactions with Liquid Hydrocarbons", Energy & Fuels, 2002, 16, pp. 172-176, American Chemical Society				
	AKATSUKA et al., "Stationary population inversion of hydrogen in an arc-heated magnetically trapped expanding hydrogen-helium plasma jet", Physical Review E, 49, 2, pp. 1534-1544, February, 1994, The American Physical Society				
	MURAKAMI et al., "Chemisorption of hydrogen into a graphite-potassium intercalation compound C ₈ K studied by means of positron annihilation", J. Chem. Phys., 62 (10), May 15, 1995, American Institute of Physics				
	AHN, "Hydrogen Storage in Metal-Modified Single-Walled Carbon Nanotubes", Division of Engineering and Applied Science, California Institute of Technology, September 15, 2001				
	DUAN et al., "Numerical calculation of energies of some excited states in a helium atom", Eur. Phys. J., D 19, (2002), pp. 9-12, Societa Italiana di Fisica, Springer-Verlag 2002				
	NIXON et al., "Formation and structure of the potassium graphites", Brit. J. Appl. Phys., Ser. 2, Vol., 1, pp. 291-299, Great Britain, 2002				
	ZELLINGER, "Experiment and the foundations of quantum physics", Reviews of Modern Physics, Vol 71, No. 2, pp. S288-S297, Centenary 1999, The American Physical Society				
	COTTON et al, "Complexes of Cyclic 2-Oxacarbenes, I. A Spontaneous Cyclization to Form a Complex of 2-Oxaclrocyclpentylidene", Journal of the American Chemical Society, 93:11, pp. 2672-2676, June 2, 1971				
	LINDSAY et al., "A remeasurement of the 2.4 μ m spectrum of J = H ₂ pairs in a parahydrogen crystal", Journal of Molecular Spectroscopy, 218. Pp. 131-133, 2003				
	JUAREZ et al, "Photoelectron angular distributions of rotationally resolved states in para-H ₂ ⁺ : A closer to the dynamics of molecular photoionisation", The University of Manchester Atomic, Molecular & Laser Manipulation Group, pp.1-5				
	WEISSTEIN, "Ortho-Para Hydrogen", http://scienceworld.wolfram.com/physics/Ortho-ParaHydrogen.html				
	SMITH, "Infrared spectra of BO ₂ - in the alkali halides-L. Potassium and rubidium halides", Spectrochimica Acta, Vol. 30A, pp. 875-882, Pergamon Press, 1974				
	LEITCH et al., "Raman Specreoscopy of Hydrogen Molecules in Crystalline Silicon", Physical				

Substitute for form 1449B/PTO

Complete if Known

Application Number 10/585,196

Filing Date 07/03/2006

First Named Inventor Mills

Group Art Unit

Examiner Name

Sheet 24 of 42

Attorney Docket Number 62226-AA

Examiners initials Other Documents

Review Letters, 81:2, pp. 421-424, July 13, 1998, The American Physical Society

CHEN et al., "Key to Understanding Interstitial H₂ in Si", Physical Review Letters, 88:10, pp. 105507-1 - 105507-4, March 11, 2002, The American Physical SocietyCHEN et al., "Rotation of Molecular Hydrogen in Si: Unambiguous Identification of Ortho-H₂ and Para-D₂", Physical Review Letters, 88:24, pp. 245503-1 - 245503-4, June 17, 2002, The American Physical SocietyLAVROV et al., "Ortho and Para Interstitial H₂ in Silicon", Physical Review Letters, 89:21, pp. 215501-1 - 215501-4, November 18, 2002, The American Physical SocietySTAVOLA et al, "Interstitial H₂ in Si: are all problems solved?", Physica B, pp. 58-66, 200s Elsevier B.V.

DECIUS et al, "Force Constants of the Metaborate Ion in Alkali Halides", The Journal of Chemical Physics, 56:10, pp. 5189-5190, May 15, 1972

MORGAN, "Infrared spectra of the metaborate ion in alkali halide solid solution", Research Notes, pp. 600-602

SMITH, "Anharmonic force field of the metaborate ion in alkali halides", The Journal of Chemical Physics, 58:11, pp. 4776-4778, June 1, 1973

HISATSUNE et al., "Infrared Spectra of Metaborate Monomer and Trimer Ions", Inorganic Chemistry, pp. 168-174

JONES et al., "Force Constants of Nickel Carbonyl from Vibrational Spectra of Isotopic Species", The Journal of Chemical Physics, 48:6, pp. 2663-2670, March 15, 1968

SMITH, "Infrared spectra of BO₂-in the alkali halides-I. Potassium and rubidium halides", Spectrochimica Acta, 30A, pp. 875-882, 1974, Pergamon PressSCHOENFELDER et al., "Kinetics of Thermal Decomposition of TiH₂", J. Vac. Sci. Technol., 10:5, pp. 862-870, Sept./Oct. 1973

Heatwave Labs, "Emission Characteristics for Scandium Type Dispenser Cathodes", HeatWave Labs, Inc., TB-119, May 24, 2001, Spectra-Mat, Inc.

Heatwave Labs, "Emission Characteristics of 'M Type' Dispenser Cathodes", HeatWave Labs, Inc., TB-117, May 24, 2001, Spectra-Mat, Inc.

"Practical Aspects of Modern Dispenser Cathodes", Microwave Journal, September, 1979

Substitute for form 1449B/PTO				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	27	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	Heatwave Labs, "Standard Series Barium Tungsten Dispenser Cathodes", HeatWave Labs, Inc., TB-198, July 29, 2002, Spectra-Mat, Inc.				
	ABATE et al., "Optimization and enhancement of H- ions in a magnetized sheet plasma", Review of Scientific Instruments, 71:10, pp. 3689-3695, October 2000, American Institute of Physics				
	CHABERT et al., "On the influence of the gas velocity on dissociation degree and gas temperature in a flowing microwave hydrogen discharge", Journal of Applied Physics, 84:1, pp. 161-167, July 1, 1009, American Institute of Physics				
	GORDON et al., "Energy coupling efficiency of a hydrogen microwave plasma reactor", Journal of Applied Physics, 89:3, pp. 1544-1549, February 1, 2001, American Institute of Physics				
	RADOVANOV et al., "Time-resolved Balmer-alpha emission from fast hydrogen atoms in low pressure, radio-frequency discharges in hydrogen", Appl. Phys. Lett., 66:20, pp. 2637-2639, May 15, 2995				
	DJUROVIC et al., "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge", J. Appl. Phys., 74:11, pp. 6558-6565, December 1, 1993, American Institute of Physics				
	KONJEVIC, "Plasma Broadening and Shifting of Non-Hydrogenic Spectral Lines: Present Status and Applications", Physics Reports, 315, pp. 339-401, 1999, Elsevier				
	BENESCH et al., "Line shapes of atomic hydrogen in hollow-cathode discharges", Optics Letters, 9:8, pp. 338-340, August 1984, Optical Society of America				
	AYERS, et al., "Shapes of atomic-hydrogen lines produced at a cathode surface", Physical Review A, 37:1, pp. 194-200, January 1, 1988, The American Physical Society				
	ADAMOV, et al., "Doppler Spectroscopy of Hydrogen and Deuterium Balmer Alpha Line in an Abnormal Glow Discharge", IEEE Transactions on Plasma Science, 31:3, pp. 444-454, June 3, 2003				
	JOVICEVIC et al., "Excessive Balmer line broadcasting in microwave-induced discharges", Journal of Applied Physics, 95:1, pp. 24-29, January 1, 2004, American Institute of Physics				
	DJUROVIC et al., "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge", J. Appl. Phys., 74:11, pp. 6558-6565, December 1, 1993, American Institute of Physics				
	MAYO, "Thermalization and Energy Distribution in Cold Laboratory Plasmas Comments on the				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	28	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	Possibility of Mono-Energetic Species", April 20, 2004				
	VIDENOVIC et al., "Spectroscopic investigations of a cathode fall region of the Grimm-type glow discharge", Spectrochimica Acta Part B, 51, pp. 1707-1731, 1996				
	BARBEAU et al., "Spectroscopic investigation of energetic atoms in a DC hydrogen flow discharge, pp. 1168-1174, 1990 IOP Publishing Ltd.				
	KONJEVIC et al., "Emission Spectroscopy of the Cathode Fall Region of an Analytical Glow", J. Phys. IV France, 7, pp. C4-247-C4-258, October 1997				
	LIFSHITZ et al., "Resonance absorption measurements of atom concentrations in reacting gas mixtures. I. Shapes of H and D Lyman- α lines from microwave sources", J. Chem. Phys., 70:12, pp. 5607-5613, June 15, 1979, American Institute of Physics				
	KURAICA et al., "Line shapes of atomic hydrogen in a plane--cathode abnormal glow discharge", Physical Review A, 46:7, pp. 4429-4432, October 1, 1992, The American Physical Society				
	KURAICA et al., "On the Atomic Hydrogen Line Shapes in a Plane-Cathode Obstructed Glow Discharge", Physica Scripta., 50, pp. 487-492, 1994				
	OLTHOFF et al., "Studies of Ion Kinetic-Energy Distributions in the Gaseous Electronics Conference RF Reference Cell", Journal of Research of the National Institute of Standards and Technology, 100:4, pp. 383-400, July-August 1995				
	ALEXEFF et al., "Collisionless Ion-Wave Propagation and the Determination of the Compressions Coefficient of Plasma Electrons", Physical Review Letters, 15:7, pp. 286-288, August 16, 1999				
	ARATA et al., "Reproducible 'Cold' Fusion Reaction Using a Complex Cathode", Fusion Technology, 22, pp. 287-295, September 1992				
	BURKHOLDER et al., "Reactions of boron atoms with molecular oxygen. Infrared spectra of BO, BO ₂ , B ₂ O ₂ , B ₂ O ₃ , and BO ₂ in solid argon", J. Chem. Phys., 95:12, pp. 8697-8709, December 15, 1991				
	SPURGIN, "Direct Conversion of the Random Thermal Energy of a Plasma Into Electrical Energy", Master's Thesis, The University of South Florida, June 1972				
	Technology Insights, "Hydro Catalysis Technical Assessment," (Part of 09/009,837 paper no.: 20050207. This document was submitted by R. Mills on 7/17/02 in copending application 09/669,877).				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>
Application Number				10/585,196
Filing Date				07/03/2006
First Named Inventor				Mills
Group Art Unit				
Examiner Name				
Sheet	29	of	42	Attorney Docket Number
Examiners initials		Other Documents		
<p>Ess, Notes on David Peat, "Einstein's Moon: Bell's Theorem and the Curious Quest for Quantum Reality," History and Philosophy of Science-Fall, 1997-Dr. Ess, <www.drury.edu/ess/philscl/bell.html></p>				
<p>"Average Molecular Kinetic Energy", <http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.html></p>				
<p>116. K. Akhtar, J. Scharer, R. L. Mills, "Substantial Doppler Broadening of Atomic Hydrogen Lines in DC and Capacitively Coupled RF Plasmas," IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: June 6, 2006.)</p>				
<p>115. R.L. Mills, H. Zea, J. He, B. Dhandapani, "Water Bath Calorimetry on a Catalytic Reaction of Atomic Hydrogen," International Journal of Hydrogen Energy, in press. (Internet Publication Date: May 12, 2006)</p>				
<p>114. R.L. Mills, K. Akhtar, B. Dhandapani, "Tests of Features of Field-Acceleration Models for the Extraordinary Selective H Balmer α Broadening in Certain Hydrogen Mixed Plasmas," J. Plasma Phys., submitted. (Internet Publication Date: June 24, 2005.)</p>				
<p>113. R.L. Mills, "Physical Solutions of the Nature of the Atom, Photon, and Their Interactions to Form Excited and Predicted Hydrino States," Physics Essay, in press. . (Internet Publication Date: June 9, 2005.)</p>				
<p>112. R. L. Mills, J. He, Y. Lu, Z, M. Nansteel, Chang, B. Dhandapani, "Comprehensive Identification and Potential Applications of New States of Hydrogen," Int. J. Hydrogen Energy, Vol. 32, (2007), 2988–3009. (Internet Publication Date: May 9, 2005.)</p>				
<p>111. R. L. Mills, J. He, Z, Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrogen Species H$^{\circ}$(1/4) and H₂(1/4) as a New Power Source," International Journal of Hydrogen Energy, Vol. 32(13), (2007), pp. 2573–2584. (Internet Publication Date: May 6, 2005.)</p>				
<p>110. R. L. Mills, J. He, Z, Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrides as a New Power Source," Prepr. Pap.—Am. Chem. Soc., Div. Fuel Chem. 2005, 50(2). (Internet Publication Date: April 22, 2005.)</p>				
<p>109. R. L. Mills, M. Nansteel, J. He, B. Dhandapani, "Low-Voltage EUV and Visible Light Source Due to Catalysis of Atomic Hydrogen," J. Plasma Physics, submitted. (Internet Publication Date: April 15, 2005.)</p>				
<p>108. R. L. Mills, J. He, M. Nansteel, B. Dhandapani, "Catalysis of Atomic Hydrogen to New Hydrides as a New Power Source," International Journal of Global Energy Issues (IJGEI). Special Edition in Energy Systems, in press. (Internet Publication Date: April 4, 2005.)</p>				
<p>107. R. L. Mills, "Maxwell's Equations and QED: Which is Fact and Which is Fiction," Physics Essays, in press. (Internet Publication Date: October 28, 2004.)</p>				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	30	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	106. R. L. Mills, "Exact Classical Quantum Mechanical Solution for Atomic Helium which Predicts Conjugate Parameters from a Unique Solution for the First Time," Physics Essays, submitted. (Internet Publication Date: October 28, 2004.)				
	105. J. Phillips, C. K. Chen, R. L. Mills, "Evidence of Catalytic Production of Hot Hydrogen in RF-Generated Hydrogen/Argon Plasmas," International Journal of Hydrogen Energy, Vol. 32, (2007), 3010–3025. (Internet Publication Date: September 7, 2004.)				
	104. R. L. Mills, Y. Lu, M. Nansteel, J. He, A. Voigt, W. Good, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Advances in Hydrogen Energy, 228th American Chemical Society National Meeting, August 22–26, 2004, Philadelphia, PA.				
	103. R. L. Mills, Dhandapani, W. Good, J. He, "New States of Hydrogen Isolated from K_2CO_3 Electrolysis Gases," Chemical Engineering Science, submitted. (Internet Publication Date: April 28, 2004.)				
	102. R. L. Mills, "Exact Classical Quantum Mechanical Solutions for One- through Twenty-Electron Atoms," Phys. Essays, Vol. 18, No. 3 (2005), 321–361. (Internet Publication Date: April 22, 2004.)				
	101. Mills et al. "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Chemistry of Solid, Liquid, and Gaseous Fuels, 227th American Chemical Society National Meeting, March 28-April 1, 2004, Anaheim, CA.				
	100. Mills et al., "Highly Stable Amorphous Silicon Hydride from a Helium Plasma Reaction," Materials Chemistry and Physics, 94/2-3, (2005), pp. 298-307. (Internet Publication Date: Nov. 17, 2003.)				
	99. Mills et al., "Spectral Identification of $H_2(1/2)$," submitted.				
	98. R. L. Mills, Y. Lu, J. He, M. Nansteel, P. Ray, X. Chen, A. Voigt, B. Dhandapani, "Spectral Identification of New States of Hydrogen," New Journal of Chemistry, submitted. (Internet Publication Date: Nov. 18, 2003.)				
	97. Mills et al., "Evidence of an Energy Transfer Reaction Between Atomic Hydrogen and Argon II or Helium II as the Source of Excessively Hot H Atoms in RF Plasmas," Journal of Plasma Physics, Vol. 72, Issue 4, (2006), pp. 469-484. (Internet Publication Date: Sept. 26, 2003.)				
	96. Mills et al., "Evidence of the Production of Hot Hydrogen Atoms in RF Plasmas by Catalytic Reactions Between Hydrogen and Oxygen Species," J. Plasma Phys., submitted. (Internet Publication Date: Sept. 12, 2003.)				
	95. Mills et al., "Excessive Balmer α Line Broadening of Water-Vapor Capacitively-Coupled RF Discharge Plasmas," IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: Aug. 18, 2003.)				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	31	of	42	Attorney Docket Number	62226-AA
Examiners initials		Other Documents			
		94. Mills, "The Nature of the Chemical Bond Revisited and an Alternative Maxwellian Approach," Physics Essays, Vol. 17, (2004), pp. 342-389. (Internet Publication Date: Aug. 6, 2003.)			
		93. Mills et al., "Energetic Catalyst-Hydrogen Plasma Reaction Forms a New State of Hydrogen," Doklady Chemistry, submitted.			
		92. Mills et al., "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Central European Journal of Physics, submitted. (Internet Publication Date: June 6, 2003.)			
		91. R. Mills, P. Ray, "New H I Laser Medium Based on Novel Energetic Plasma of Atomic Hydrogen and Certain Group I Catalysts," J. Plasma Physics, submitted.			
		90. Mills et al., "Characterization of Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Am. Chem. Soc. Div. Fuel Chem. Prepr., Vol. 48, No. 2, (2003).			
		89. Mills et al., "Hydrogen Plasmas Generated Using Certain Group I Catalysts Show Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride," Fizika A, submitted.			
		88. Mills et al., "Role of Atomic Hydrogen Density and Energy in Low Power CVD Synthesis of Diamond Films," Thin Solid Films, 478, (2005), pp. 77-90. (Internet Publication Date: Dec. 22, 2003.)			
		87. Mills et al., "Liquid-Nitrogen-Condensable Molecular Hydrogen Gas Isolated from a Catalytic Plasma Reaction," J. Phys. Chem. B, submitted.			
		86. Mills et al., "Novel Spectral Series from Helium-Hydrogen Evenson Microwave Cavity Plasmas that Matched Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," European Journal of Physics, submitted. (Internet Publication Date: April 24, 2003.)			
		85. Mills et al., "Highly Pumped Inverted Balmer and Lyman Populations," New Journal of Physics, submitted.			
		84. Mills et al., "Comparison of Balmer α Line Broadening and Power Balances of Helium-Hydrogen Plasma Sources," Braz. J. Phys., submitted. (Internet Publication Date: March 12, 2003.)			
		83. Mills et al., "Comparison of Water-Plasma Sources of Stationary Inverted Balmer and Lyman Populations for a CW HI Laser," J. Appl. Spectroscopy, in preparation.			
		82. Mills et al., "Synthesis and Characterization of Diamond Films from MPCVD of an Energetic Argon-Hydrogen Plasma and Methane," Journal of Materials Science, submitted. (Internet Publication Date: May 7, 2003.)			
		81. R. Mills, et. al., "Spectroscopic and NMR Identification of Novel Hydride Ions in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts," European Physical Journal: Applied Physics, 28, (2004), pp. 83-104. (Internet Publication Date: Feb. 21, 2003.)			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	32	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	80. Mills, "The Fallacy of Feynman's Argument on the Stability of the Hydrogen Atom According to Quantum Mechanics," Annales De La Fundation Louis De Broglie, Vol. 30, No. 2, (2005), pp. 129-151. (Internet Publication Date: Jan. 27, 2003.)				
	79. Mills et al., "Comparison of Catalysts and Microwave Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion," Canadian Journal of Physics, submitted.				
	78. Mills et al., "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Molecular Hydrogen", J. of the Physical Society of Japan, submitted. (Internet Publication Date: Sept. 9, 2002.)				
	77. Mills et al., "Water Bath Calorimetric Study of Excess Heat in 'Resonant Transfer' Plasmas," Journal of Applied Physics, Vol. 96, No. 6, (2004), pp. 3095-3102. (Internet Publication Date: June 16, 2003.)				
	76. Mills et al., "Comparison of Catalysts and Microwave Plasma Sources of Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," Journal of Applied Spectroscopy, submitted. (Internet Publication Date: Feb. 12, 2002.)				
	75. Mills et al., "Novel Liquid-Nitrogen-Condensable Molecular Hydrogen Gas," Acta Physica Polonica A, submitted. (Internet Publication Date: Oct. 29, 2002.)				
	74. Mills et al., "Spectroscopic Study of Unique Line Broadening and Inversion in Low Pressure Microwave Generated Water Plasmas," Journal of Plasma Physics, Vol. 71, Part 6, (2005), pp. 877-78. (Internet Publication Date: June 18, 2003.)				
	73. Mills et al., "Energetic Helium-Hydrogen Plasma Reaction," AIAA Journal, submitted. (Internet Publication Date: July 26, 2002.)				
	72. R. L. Mills, M. Nansteel, P. C. Ray, "Bright Hydrogen-Light and Power Source due to a Resonant Energy Transfer with Strontium and Argon Ions," Vacuum, submitted.				
	71. Mills et al., "Power Source Based on Helium-Plasma Catalysis of Atomic Hydrogen to Fractional Rydberg States," Contributions to Plasma Physics, submitted.				
	70. Mills et al., "Comparison of Catalysts and Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion," The European Journal of Applied Physics, submitted. (Internet Publication Date: Sept. 2, 2002.)				
	69. Mills et al., "Spectroscopic Characterization of the Atomic Hydrogen Energies and Densities and Carbon Species During Helium-Hydrogen-Methane Plasma CVD Synthesis of Diamond Films," Chemistry of Materials, Vol. 15, (2003), pp. 1313-1321. (Internet Publication Date: Dec. 31, 2002.)				
	68. Mills, et. al. "Stationary Inverted Balmer and Lyman Populations for a CW HI Water-Plasma Laser." IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: August 16, 2002)				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	33	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	67. Mills et al., "Extreme Ultraviolet Spectroscopy of Helium-Hydrogen Plasma," J. Phys. D, Vol. 36, (2003), pp. 1535–1542. (Internet Publication Date: July 17, 2002.)				
	66. Mills et al., "Spectroscopic Evidence for a Water-Plasma Laser," Europhysics Letters, submitted. (Internet Publication Date: Sept. 19, 2002.)				
	65. Mills et al., "Spectroscopic Evidence for Highly Pumped Balmer and Lyman Populations in a Water-Plasma," J. of Applied Physics, submitted. (Internet Publication Date: Sept. 18, 2002.)				
	64. Mills et al., "Low Power MPCVD of Diamond Films on Silicon Substrates," Journal of Vacuum Science & Technology A, submitted. (Internet Publication Date: June 26, 2002.)				
	63. Mills et al., "Plasma Power Source Based on a Catalytic Reaction of Atomic Hydrogen Measured by Water Bath Calorimetry," Thermochimica Acta, Vol. 406, Issue 1–2, (2003), pp. 35–53. (Internet Publication Date: June 25, 2002.)				
	62. Mills et al., "Synthesis and Spectroscopic Identification of Lithium Chloro Hydride," Inorganica Chimica Acta, submitted.				
	61. Mills et al., "Highly Stable Amorphous Silicon Hydride," Solar Energy Materials & Solar Cells, Vol. 80, No. 1, (2003), pp. 1–20. (Internet Publication Date: April 15, 2002.)				
	60. Mills et al., "Synthesis of HDLC Films from Solid Carbon," Journal of Materials Science, Vol. 39, (2004), pp. 3309-3318. (Internet Publication Date: May 3, 2002.)				
	59. Mills et al., "The Potential for a Hydrogen Water-Plasma Laser," Applied Physics Letters, Vol. 82, No. 11, (2003), pp. 1679–1681. (Internet Publication Date: July 11, 2002.)				
	58. Mills, "Classical Quantum Mechanics," Physics Essays, Vol. 16, (2003), pp. 433-498. (Internet Publication Date: May 23, 2002.)				
	57. Mills, et. al. "Spectroscopic Characterization of Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by a Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts, J. of Quantitative Spectroscopy and Radiative Transfer," No. 39, sciencedirect.com, April 17, 2003.				
	56. R. M. Mayo, R. Mills, "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity for Microdistributed Power Applications," 40th Annual Power Sources Conference, Cherry Hill, NJ, June 10-13, (2002), pp. 1-4. (Internet Publication Date: March 28, 2002.)				
	55. Mills et al., "Chemically-Generated Stationary Inverted Lyman Population for a CW HI Laser," European J of Phys. D, submitted. (Internet Publication Date: April 22, 2002.)				
	54. Mills et al., "Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts," J. Phys. D, Applied Physics, Vol. 36, (2003), pp. 1504–1509. (Internet Publication Date: March 20, 2002) also submitted to Chem Phys. Letts.				

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>
Application Number				10/585,196
Filing Date				07/03/2006
First Named Inventor				Mills
Group Art Unit				
Examiner Name				
Sheet	34	of	42	Attorney Docket Number
Examiners initials	Other Documents			
	53. Mills, "A Maxwellian Approach to Quantum Mechanics Explains the Nature of Free Electrons in Superfluid Helium." <i>Braz. J. Phys.</i> , submitted. (Internet Publication Date: June 4, 2002)			
	52. Mills et al., "Bright Hydrogen-Light Source due to a Resonant Energy Transfer with Strontium and Argon Ions," <i>New Journal of Physics</i> , Vol. 4, (2002), pp. 70.1–70.28. (Internet Publication Date: October, 2002)			
	51. Mills et al., "CW HI Laser Based on a Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Group I Catalysts," <i>IEEE Transactions on Plasma Science</i> , Vol. 31, No. 2, (2003), pp. 236–247. (Internet Publication Date: Feb. 4, 2002.)			
	50. Mills et al., "Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," <i>Vibrational Spectroscopy</i> , Vol. 31, No. 2, (2003), pp. 195–213.			
	49. Mills et al., "Comparison of Excessive Balmer Line Broadening of Inductively and Capacitively Coupled RF, Microwave, and Glow Discharge Hydrogen Plasmas with Certain Catalysts," <i>IEEE Transactions on Plasma Science</i> , Vol. 31, No. 3, (2003), pp. 338–355. (Internet Publication Date: Sept. 17, 2002.)			
	48. Mills et al., "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity," <i>IEEE Transactions on Plasma Science</i> , October, (2002), Vol. 30, No. 5, pp. 2066–2073. (Internet Publication Date: March 26, 2002.)			
	47. H. Conrads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," <i>Plasma Sources Science and Technology</i> , Vol. 12, (2003), pp. 389.			
	46. Mills et al., "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," <i>Plasma Sources Science and Technology</i> , Vol 12, (2003), pp. 389–395.			
	45. Mills et al., "Synthesis and Characterization of a Highly Stable Amorphous Silicon Hydride as the Product of a Catalytic Helium-Hydrogen Plasma Reaction," <i>Int. J. Hydrogen Energy</i> , Vol. 28, No. 12, (2003), pp. 1401–1424. (Internet Publication Date: April 15, 2002.)			
	44. Mills, et. al. "Synthesis and Characterization of Lithium Chloro Hydride", <i>International Journal of Hydrogen Energy</i> , submitted. (Internet Publication Date: January 7, 2002.)			
	43. Mills et al., "Substantial Changes in the Characteristics of a Microwave Plasma Due to Combining Argon and Hydrogen," <i>New Journal of Physics</i> , www.njp.org , Vol. 4, (2002), pp. 22.1–22.17. (Internet Publication Date: Dec. 27, 2001.)			
	42. Mills et al., "A Comprehensive Study of Spectra of the Bound-Free Hyperfine Levels of Novel Hydride Ion , Hydrogen, Nitrogen, and Air," <i>Int. J. Hydrogen Energy</i> , Vol. 28, No. 8, (2003), pp. 825–871. (Internet Publication Date: Nov. 14, 2001.)			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>
Application Number				10/585,196
Filing Date				07/03/2006
First Named Inventor				Mills
Group Art Unit				
Examiner Name				
Sheet	<u>35</u>	of	<u>42</u>	Attorney Docket Number
Examiners initials		Other Documents		
<p>41. Mills et al., "Novel Alkali and Alkaline Earth Hydrides for High Voltage and High Energy Density Batteries," Proceedings of the 17th Annual Battery Conference on Applications and Advances, California State University, Long Beach, CA, (January 15-18, 2002), pp. 1-6. (Internet Publication Date: Nov. 9, 2001.)</p>				
<p>40. Mills et al., "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Microdistributed Power Applications," IEEE Transactions on Plasma Science, August, (2002), Vol. 30, No. 4, pp. 1568-1578. (Internet Publication Date: Nov. 12, 2001.)</p>				
<p>39. Mills et al., "Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by an Exothermic Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts," J. Phys. Chem. A, submitted. (Internet Publication Date: Nov. 13, 2001.)</p>				
<p>38. Mills et al., "Highly Stable Novel Inorganic Hydrides from Aqueous Electrolysis and Plasma Electrolysis," Electrochimica Acta, Vol. 47, No. 24, (2002), pp. 3909-3926. (Internet Publication Date: June 13, 2002.)</p>				
<p>37. Mills et al., "Comparison of Excessive Balmer Line Broadening of Glow Discharge and Microwave Hydrogen Plasmas with Certain Catalysts," J. of Applied Physics, (2002), Vol. 92, No. 12, pp. 7008-7022. (Internet Publication Date: Oct. 9, 2002.)</p>				
<p>36. Mills et al., "Emission Spectroscopic Identification of Fractional Rydberg States of Atomic Hydrogen Formed by a Catalytic Helium-Hydrogen Plasma Reaction," Vacuum, submitted. (Internet Publication Date: Oct. 9, 2001.)</p>				
<p>35. Mills et al., "New Power Source from Fractional Rydberg States of Atomic Hydrogen," Current Appl. Phys., submitted. (Internet Publication Date: Oct. 9, 2001.)</p>				
<p>34. Mills et al., "Spectroscopic Identification of Transitions of Fractional Rydberg States of Atomic Hydrogen," J. of Quantitative Spectroscopy and Radiative Transfer, in press. (Internet Publication Date: Oct. 9, 2001.)</p>				
<p>33. Mills et al., "New Power Source from Fractional Quantum Energy Levels of Atomic Hydrogen that Surpasses Internal Combustion," J Mol. Struct., Vol. 643, No. 1-3, (2002), pp. 43-54. (Internet Publication Date: Oct. 10, 2001.)</p>				
<p>32. Mills et al., "Spectroscopic Identification of a Novel Catalytic Reaction of Rubidium Ion with Atomic Hydrogen and the Hydride Ion Product," Int. J. Hydrogen Energy, Vol. 27, No. 9, (2002), pp. 927-935. (Internet Publication Date: Sept. 19, 2001.)</p>				
<p>31. Mills et al., "Measurement of Energy Balances of Noble Gas-Hydrogen Discharge Plasmas Using Calvet Calorimetry," Int. J. Hydrogen Energy, Vol. 27, No. 9, (2002), pp. 967-978. (Internet Publication Date: Sept. 14, 2001.)</p>				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	36	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	30. Mills et al., "Measurement of Hydrogen Balmer Line Broadening and Thermal Power Balances of Noble Gas-Hydrogen Discharge Plasmas," <i>Int. J. Hydrogen Energy</i> , Vol. 27, No. 6, (2002), pp. 671–685. (Internet Publication Date: Aug. 22, 2001.)				
	29. Mills et al., "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Hydrogen Molecular Ion," <i>Int. J. Hydrogen Energy</i> , Vol. 27, No. 5, (2002), pp. 533–564. (Internet Publication Date: July 19, 2001.)				
	28. Mills et al., "Spectral Emission of Fractional Quantum Energy Levels of Atomic Hydrogen from a Helium-Hydrogen Plasma and the Implications for Dark Matter," <i>Int. J. Hydrogen Energy</i> , (2002), Vol. 27, No. 3, pp. 301–322. (Internet Publication Date: Aug. 1, 2001.)				
	27. Mills, et. al. "Spectroscopic Identification of a Novel Catalytic Reaction of Potassium and Atomic Hydrogen and the Hydride Ion Product", <i>International Journal of Hydrogen Energy</i> , Vol. 27, No. 2, (2002), pp. 183-192. (Internet Publication Date: January 11, 2002)				
	26. Mills, "BlackLight Power Technology-A New Clean Hydrogen Energy Source with the Potential for Direct Conversion to Electricity," <i>Proceedings of the National Hydrogen Association, 12 th Annual U.S. Hydrogen Meeting and Exposition, Hydrogen: The Common Thread, The Washington Hilton and Towers, Washington DC, (March 6-8, 2001)</i> , pp. 671–697. (Presented at the conference on March 7, 2001; Internet Publication Date: April 20, 2001.)				
	25. Mills, et. al. "Minimum heat of formation of potassium iodo hydride." <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1199-1208. (Internet Publication Date: March 23, 2001)				
	24. Mills, et al. "Stereoscopic Identification of a Novel Catalytic Reaction of Atomic Hydrogen and the hydride ion product." <i>International Journal of Hydrogen Energy</i> , Vol. 26. 2001. pp.1041-1058. (Internet Publication Date: March 23, 2001.)				
	23. Mills et al., "Optically Measured Power Balances of Glow Discharges of Mixtures of Argon, Hydrogen, and Potassium, Rubidium, Cesium, or Strontium Vapor," <i>Int. J. Hydrogen Energy</i> , Vol. 27, No. 6, (2002), pp. 651–670. (Internet Publication Date: July 20, 2001.)				
	22. Mills, "The Grand Unified Theory of Classical Quantum Mechanics," Global Foundation, Inc. Orbis Scientiae entitled The Role of Attractive and Repulsive Gravitational Forces in Cosmic Acceleration of Particles The Origin of the Cosmic Gamma Ray Bursts, (29th Conference on High Energy Physics and Cosmology Since 1964) Dr. Behram N. Kursunoglu, Chairman, December 14-17, 2000, Lago Mar Resort, Fort Lauderdale, FL, Kluwer Academic/Plenum Publishers, New York, pp. 243–258. (Presented at the conference on Dec. 15, 2000. (Internet Publication Date: May 17, 2001.)				
	21. Mills, "The Grand Unified Theory of Classical Quantum Mechanics," <i>Int. J. Hydrogen Energy</i> , Vol. 27, No. 5, (2002), pp. 565–590. (Internet Publication Date: Sept. 17, 2001.)				
	20. Mills et al., "Argon-Hydrogen-Strontium Discharge Light Source," <i>IEEE Transactions on Plasma Science</i> , Vol. 30, No. 2, (2002), pp. 639–653. (Internet Publication Date: Dec. 7, 2000.)				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>	
				Application Number	10/585,196
				Filing Date	07/03/2006
				First Named Inventor	Mills
				Group Art Unit	
				Examiner Name	
Sheet	37	of	42	Attorney Docket Number	62226-AA
Examiners initials	Other Documents				
	19. Mills et al., "Identification of Compounds Containing Novel Hydride Ions by Nuclear Magnetic Resonance Spectroscopy," Int. J. Hydrogen Energy, Vol. 26, No. 9, (2001), pp. 965–979. (Internet Publication Date: March 22, 2001.)				
	18. Mills, "BlackLight Power Technology-A New Clean Energy Source with the Potential for Direct Conversion to Electricity," Global Foundation International Conference on "Global Warming and Energy Policy," Dr. Behram N. Kursunoglu, Chairman, Fort Lauderdale, FL, November 26–28, 2000, Kluwer Academic/Plenum Publishers, New York, pp. 187–202. (Presented at the conference on Nov. 26, 2000. (Internet Publication Date: Jan. 19, 2001.)				
	17. Mills, "The Nature of Free Electrons in Superfluid Helium—a Test of Quantum Mechanics and a Basis to Review its Foundations and Make a Comparison to Classical Theory," Int. J. Hydrogen Energy, Vol. 26, No. 10, (2001), pp. 1059–1096. (Internet Publication Date: Dec. 11, 2000.)				
	16. Mills et al., "Excessively Bright Hydrogen-Strontium Plasma Light Source Due to Energy Resonance of Strontium with Hydrogen," J. of Plasma Physics, Vol. 69, (2003), pp. 131–158. (Internet Publication Date: Aug. 27, 2001.)				
	15. Mills et al., "Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Certain Catalysts," Int. J. Hydrogen Energy, Vol. 25, (2000), pp. 919–943. (Internet Publication Date: June 27, 2000.)				
	14. R. Mills, "Observation of Extreme Ultraviolet Emission from Hydrogen-KI Plasmas Produced by a Hollow Cathode Discharge," Int. J. Hydrogen Energy, Vol. 26, No. 6, (2001), pp. 579–592. (Internet Publication Date: July 10, 2000.)				
	13. Mills, "Temporal Behavior of Light-Emission in the Visible Spectral Range from a Ti-K ₂ CO ₃ -H-Cell," Int. J. Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 327–332. (Internet Publication Date: July 10, 2000.)				
	12. Mills et al., "Formation of a Hydrogen Plasma from an Incandescently Heated Hydrogen-Catalyst Gas Mixture with an Anomalous Afterglow Duration," Int. J. Hydrogen Energy, Vol. 26, No. 7, July, (2001), pp. 749–762. (Internet Publication Date: June 28, 2000.)				
	11. Mills et al., "Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," Int. J. Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 309–326. (Internet Publication Date: June 27, 2000.)				
	10. Mills et al., "Synthesis and Characterization of Potassium Iodo Hydride," Int. J. of Hydrogen Energy, Vol. 25, Issue 12, December, (2000), pp. 1185–1203. (Internet Publication Date: Nov. 12, 2001.)				
	9. Mills. "Novel inorganic hydride." International Journal of Hydrogen Energy, Vol 25, 2000, pp. 669-683. (Internet Publication Date: June 28, 2000)				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	38	of	42	
-------	----	----	----	--

Examiners initials	Other Documents
--------------------	-----------------

	8. Mills et al., "Synthesis and Characterization of Novel Hydride Compounds," <i>Int. J. of Hydrogen Energy</i> , Vol. 26, No. 4, (2001), pp. 339–367. (Internet Publication Date: June 13, 2001.)
	7. R. Mills, "Highly Stable Novel Inorganic Hydrides," <i>Journal of New Materials for Electrochemical Systems</i> , Vol. 6, (2003), pp. 45-54. (Internet Publication Date: Nov. 20, 2001.)
	6. R. Mills, "Novel Hydrogen Compounds from a Potassium Carbonate Electrolytic Cell," <i>Fusion Technology</i> , Vol. 37, No. 2, March, (2000), pp. 157-182. (Internet Publication Date: June 26, 2000.)
	5. Mills, "The Hydrogen Atom Revisited," <i>Int. J. of Hydrogen Energy</i> , Vol. 25, Issue 12, December, (2000), pp. 1171–1183. (Internet Publication Date: June 27, 2000.)
	4. Mills et al., "Fractional Quantum Energy Levels of Hydrogen," <i>Fusion Technology</i> , Vol. 28, No. 4, November, (1995), pp. 1697–1719. (Internet Publication Date: Nov. 1, 2001.)
	3. Mills et al., "Dihydrino Molecule Identification," <i>Fusion Technology</i> , Vol. 25, 103-119 (Jan. 1994). (Internet Publication Date: April 11, 2001.).
	Mills Technologies. "1KW Heat Exchanger System." <i>Thermacore, Inc.</i> , Oct 11 1991, pp. 1-6
	Mills Technologies. "1KW Heat Exchanger System." <i>Thermacore, Inc.</i> , April 17, 1992, pp. 1-6
	Mills, "Classical Quantum Mechanics." <i>Physica Scripta</i> , submitted.
	Mills, "The Grand Unified Theory of Classical Quantum Mechanics," (2001), Distributed by Amazon.Com.
	2. Mills, et. al., "Excess heat production by electrolysis of an aqueous potassium carbonate electrolyte and the implications for cold fusion," <i>Fusion Technol.</i> Vol.20, pp. 65-81 (1991).
	Mills,. "Author's response 'A possible trick of Hydride atom'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, p. 1225.
	Mills, "BLACKLIGHT POWER TECHNOLOGY: A New Clean Energy Source with the Potential for Direct Conversion to Electricity," <i>International Conference on Global Warming and Energy Policy</i> , Ft. Lauderdale, Florida, November 26-28, 2000. Internet Publication 1/19/01
	Mills, "Hydro catalysis Power Technology," <i>Statement of Dr. Randell L. Mills</i> , May, 1993.
	Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 1-9
	Mills, "Unification of Spacetime, the Forces, Matter, Energy, Hydro catalysis Power Corporation," 1992, pp. 53-84.
	Mills, "Author's response to 'Hydrino atom: novel chemistry or invalid physics'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1233.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>
Application Number				10/585,196
Filing Date				07/03/2006
First Named Inventor				Mills
Group Art Unit				
Examiner Name				
Sheet	39	of	42	Attorney Docket Number
Examiners initials	Other Documents			
	Mills, "Author's response to 'Hydrino theory- a proposed amendment', " <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1229-1231.			
	Mills."Power Spectrum of the Cosmic Microwave Background" <i>BlackLight Power, Inc.</i> 2001.			
	Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 13-14, BlackLight Power, Inc., pp. 433-440, 2001.			
	Letter from Shelby T. Brewer to The Honorable James E. Rogan, December 21, 2001 and PTO response from Jason C. Roe, April 24, 2002 (see Attachment A)			
	PARK, "Patent Nonsense, Court Denies Blacklight Power Appeal," What's New, September 6, 2002, www.aps.org/WN/WN02/wn090602.html (see Attachment C)			
	RANDI, "Houdini and the Rabbi, The Patent Office Again, A Perpetual Motion/Emotion Car Breaks Down...", Swift, September 20, 2002, www.randi.org/jr/092002.html (see Attachment C)			
	VOSS, "New Physics' Finds a Haven At the Patent Office," Science, Vol. 284, pp. 1252-1254, May 21, 1999 (see Attachment D)			
	PTO Memorandum For All Employees: Media Contact Policy from Acting Assistant Secretary of Commerce and Acting Commissioner of patents and Trademarks, June 22, 1999			
	Letter from Jeffrey S. Melcher to Ms. Esther Kepplinger, February 28, 2000 (see Attachment G)			
	Internet Discussion Forum, "Two Brand New Papers out at BLP's "What's New" page," message No. 7191 on Hydrino Study Group, http://groups.yahoo.com/group/hydrino/message/7191 , September 27, 2003 (see Attachment H)			
	Internet Discussion Forum, "Even Skeptics can lose Objectivity," message No. 7410 on Hydrino Study Group, http://groups.yahoo.com/group/hydrino/message/7410 , October 27, 2003 (see Attachment H)			
	Internet Discussion Forum, "Two Competing Views of Reality Engage in a Battle for Total Control of Our Physics Paradigm," Hydrino Study Group, http://www.hydrino.org (see Attachment H)			
	Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from Tom Stolper, November 10, 2003 (see Attachment H)			
	Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from			

Substitute for form 1449B/PTO

Complete if Known

Application Number 10/585,196

Filing Date 07/03/2006

First Named Inventor Mills

Group Art Unit

Examiner Name

Sheet 40 of 42

Attorney Docket Number 62226-AA

Examiners initials

Other Documents

Peter Zimmerman and Tom Stolper, October 29, 2003 (see Attachment H)

Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from Tom Stolper, October 28, 2003 (see Attachment H)

Internet Discussion Forum, "HSG: Even skeptics can lose objectivity," Transcript from Steve Menton, October 26, 2003 (see Attachment H)

Internet Discussion Forum, "HSG: Zimmerman's Insincere Questions," Transcript from Peter Zimmerman and Steve Menton, September 25, 2003 (see Attachment H)

Internet Discussion Forum, "Re: Re: Zero Electrostatic Self-Interaction Justified," Transcript from Peter Zimmerman, May 22, 2003 <http://groups.yahoo.com/group/hydrino/message/6052> (see Attachment H)

Internet Discussion Forum, "HSG: Re: Bool Review by Dr. John Farrell," Transcript from Peter Zimmerman, February 23, 2004 (see Attachment H)

"Regarding PZ's Departing Post," includes many public posts on hydrino study group. pp 1-75 (see Attachment I)

PARK, "Perpetual Motion: Still Going Around," Special to the Washington Post, January 12, 2000, Page H03 (see Attachment J)

Letter from Jeffrey S. Melcher to Ms. Esther Kepplinger with Attachments A-E, January 19, 2001(see Attachment K)

PLATT, "Testing the Current," The Washington Post, June 25, 2000, Page X05 (see Attachment M)

USPTO Communication re Interview scheduled for February 21, 2003, February 12, 2001(see Attachment N)

Letter from Senator Ron Wyden to The Honorable Todd Q. Dickinson with attachments, April 5, 2000 (see Attachment O)

Letter from Senator Robert G. Torricelli to Nicholas P. Godici with attachments, July 20,

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				Complete if Known
Sheet <u>41</u> of <u>42</u>				Application Number <u>10/585,196</u>
				Filing Date <u>07/03/2006</u>
				First Named Inventor <u>Mills</u>
				Group Art Unit
				Examiner Name
Examiners initials	Other Documents			
	2001(see Attachment O)			
	Letter from Senator Jon S. Corzine to The Honorable Todd Q. Dickinson with attachments, August 2, 2001 (see Attachment O)			
	Letter from Senator Max Cleland to Ms. Jane Cooksey with attachments, March 24, 2000 (see Attachment O)			
	Letter from Senators Max Cleland and Ron Wyden to Chairman Patrick Leahy, December 20, 2001 (see Attachment O)			
	Letter from Senators Max Cleland and Ron Wyden to The Honorable Donald L. Evans, December 20, 2001 (see Attachment O)			
	Letter from Senators Jon S. Corzine and Robert G. Torricelli to The Honorable Donald L. Evans, December 21, 2001 (see Attachment O)			
	Email re Interview Summary from Jeffrey Simenauer to Ted Liu, February 13, 2003 (see Attachment P)			
	"APS E-Board Pases Resolution on Perpetual Motion Machines," APS NEWS ONLINE, August/September 2002, http://www.eps.org/aps/apsnews/0802/080212.html (see Attachment Q)			
	Letter from Elizabeth Barlow to John Allen, March 17, 2004 (see Attachment R)			
	Letters from John Allen to Office of Counsel, US Department of Commerce with attachments, May 12, 2003, June 7, 2003, and March 10, 2004 (see Attachment R)			
	Brookhaven National Laboratory letter dated October 16, 1991 to Dr. Walter Polansky, U.S. Department of Energy			
	"Charles Evans & Associates – Time of Flight-Secondary Ion Mass Spectroscopy Report"			
	Charles Evans & Associates - Report re "XPS/ESCA Results," November 3, 1994			

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>
Application Number				10/585,196
Filing Date				07/03/2006
First Named Inventor				Mills
Group Art Unit				
Examiner Name				
Sheet	42	of	42	Attorney Docket Number
Examiners initials	Other Documents			
	"Rule 132 Declaration of Dr. Randell L. Mills," dated October 3, 2007			
	"Second Declaration of Randell L. Mills, M.D. under 37 C.F.R. 1.132," dated March 13, 1998			
	"Declaration of Dr. Jonathan Phillips," dated July 20, 2000			
	"Declaration of Michael G. Jacox," dated July 25, 2000			
	"Declaration of Dr. Bala Dhandapani," dated August 14, 2000			
	"Declaration of Dr. Gary L. Turner," dated May 18, 2000			
	"Declaration of Robert M. Shaubach and Nelson J. Gernert Under 37 C.F.R. 1.132," dated March 10, 1998			
	Declaration of Robert M. Shaubach and Nelson J. Gernert, dated August 24, 1992			
	Declaration of Sergei B. Nesterov and Alexei P. Kryukov, dated February 26, 1993			
	Idaho National Engineering Laboratory, "Experimental Verification"			
	Mills Statement Before the Subcommittee on Energy, May 5, 1993			
	Phillips et al., "Report on Calorimetric Investigations of Gas-Phase Catalyzed Hydrino Formation," Final Report for period October-December 1996			
	Phillips et al., "Calorimetric Study of the Gas Phase Production of Hydrinos," Report to HydroCatalysis Power Corporation, October 1996			